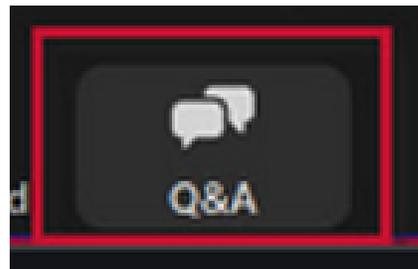


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patentscope@wipo.int

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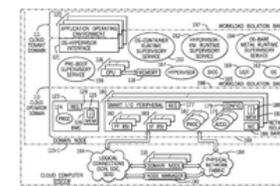
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1. 20230132853 EXTENDING SUPERVISORY SERVICES INTO TRUSTED CLOUD OPERATOR DOMAINS

US - 04.05.2023

Int.Class G06F 13/10 Appl.No 17452790 Applicant HEWLETT PACKARD ENTERPRISE DEVELOPMENT LP Inventor Dwight D. Riley

A supervisory service of a node that includes a smart input/output (I/O) peripheral is extended into a cloud operator domain that is associated with the smart I/O peripheral. The supervisory service determines a state of a ready state indicator that is provided by the smart I/O peripheral. Based on the state, the supervisory service performs at least one of regulating an availability of an instance of an application operating environment of the node or determining whether the smart I/O peripheral is ready to be configured by the supervisory service.

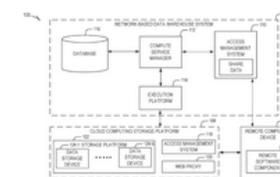


2. 20230134358 METADATA SEARCH VIA N-GRAM INDEX

US - 04.05.2023

Int.Class G06F 16/2453 Appl.No 17457010 Applicant Snowflake Inc. Inventor Lin Chan

As described herein, a N-Gram index may be created and the search may be conducted using the index, which will lead to faster search results. The N-Gram index may also include partial N-Gram components to capture more relevant data. Moreover, as described herein, the search may also take into account recent log data that has not yet been indexed. Techniques for building an index store using log data and efficiently searching the index store and log data to process search requests are described herein.



3. 20230136581 USER PRESENCE-ENABLED TRACKING DEVICE FUNCTIONALITY

US - 04.05.2023

Int.Class H04W 4/029 Appl.No 18089060 Applicant Tile, Inc. Inventor Steven R. Klinkner

A tracking system can provide configuration instructions to an electronic device based on user presence. The tracking system can determine a user's location relative to a geographic boundary surrounding a



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11,683 results Offices all Languages all Stemming true Single Family Member false Include NPL false



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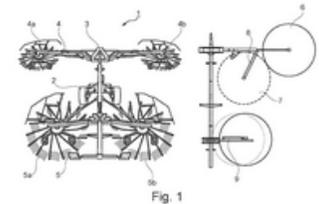
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1. [WO/2018/184886](#) METHOD FOR CONTROLLING AN AGRICULTURAL MACHINE WHEN WINDROWING A CROP AND AN ARRANGEMENT HAVING AN AGRICULTURAL MACHINE

WO - 11.10.2018

Int.Class [A01D 78/10](#) Appl.No PCT/EP2018/057620 Applicant KVERNELAND GROUP KERTEMINDE AS Inventor PAULI, Marco

The invention relates to a method for controlling an agricultural machine when **windrowing** a crop on a usable agricultural area, comprising: making available an agricultural machine with a **windrowing** rake [1], in which a combination of raking devices [4, 5] is arranged on a supporting frame [3], said raking devices [4, 5] being configured to **windrow** a crop on a usable agricultural area: moving the agricultural machine with the **windrowing** rake [1] on the usable agricultural area, in order to **windrow** the crop: and controlling the raking devices [4, 5] during the **windrowing** operation by means of control signals generated by a control device of the agricultural machine, wherein in this context the raking devices [4, 5] are controlled in accordance with a first operating mode to **windrow** a first section of a **windrow** of the crop with a first **windrow** width if the agricultural machine with the **windrowing** rake [1] is moving along an essentially straight driving section; and the raking devices [4, 5] are controlled in accordance with the second operating mode to **windrow** a second section of the **windrow** with a second **windrow** width which is smaller than the first **windrow** width if the agricultural machine with the **windrowing** rake [1] is moving along a curved driving section. Furthermore, an arrangement having an agricultural machine for **windrowing** a crop on a usable agricultural area is provided.

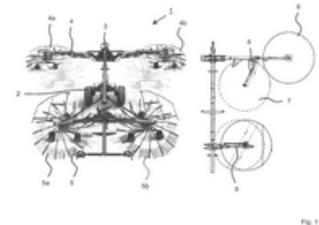


2. [WO/2018/184857](#) METHOD FOR CONTROLLING AN AGRICULTURAL MACHINE WHEN WINDROWING A CROP ON A USABLE AGRICULTURAL AREA AND AGRICULTURAL MACHINE

WO - 11.10.2018

Int.Class [A01D 78/10](#) Appl.No PCT/EP2018/057311 Applicant KVERNELAND GROUP KERTEMINDE AS Inventor PAULI, Marco

The invention relates to a method for controlling an agricultural machine when **windrowing** a crop on a usable agricultural area, comprising: making available an agricultural machine with a **windrowing** rake [1], in which a combination of raking devices [4a, 4b, 5a, 5b] is arranged on a supporting frame [3], said raking devices [4a, 4b, 5a, 5b] being configured to **windrow** a crop on a usable agricultural area; moving the agricultural machine with the **windrowing** rake [1] on the usable agricultural area, in order to **windrow** the crop: repeated determination of machine position data for the agricultural machine by means of a position-determining system while the agricultural machine is being moved on the usable agricultural area, wherein the machine position data indicate an instantaneous position of the agricultural machine on the usable agricultural area; making available electronic location information, wherein the electronic location information comprises position information which indicates a distribution of the crop to be **windrowed** along a non-linear line in a part of the usable agricultural area; and controlling the raking devices [4a, 4b, 5a, 5b] by means of control signals which are generated by a control device, if during data processing of the machine position data and of the position information by means of the control device it is determined that the crop is being **windrowed** in the part of the usable agricultural area such that a working position of one or more raking devices [4a, 4b, 5a, 5b] is set and changed as a function of the position in order to **windrow** the crop which is distributed along the non-linear line into a **windrow** which is produced so as to run along a straight **windrowing** line, wherein during the position-dependent setting and changing of the working position the one or more raking devices [4a, 4b, 5a, 5b] is/are moved between a raised non-working position and a lowered working position and/or is/are moved with respect to the supporting frame [3], between a proximal and a distal working position. Furthermore, an arrangement with an agricultural machine for **windrowing** a crop on a usable agricultural area is provided.



3. [0002719182](#) WIND FARM WITH MULTIPLE CUTTERS

RU - 17.04.2020

Int.Class [A01D 34/24](#) Appl.No 2016135757 Applicant Inventor РОТООП Дэвид В. (US)

EN_AB:("windrower") OR FR_AB:("andaineuse" OR "andainage" OR "andaineur") OR DE_AB:("Schwadleger" OR "Schwader" OR "Schwadenziehen") OR ES_AB:("acordonadora" OR "hilerado" OR "máq

11,683 results Offices all Languages all Stemming true Single Family Member false Include NPL false



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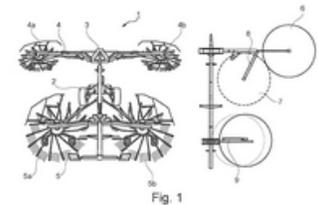
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1. WO/2018/184886 METHOD FOR CONTROLLING AN AGRICULTURAL MACHINE WHEN WINDROWING A CROP AND AN ARRANGEMENT HAVING AN AGRICULTURAL MACHINE

WO - 11.10.2018

Int.Class A01D 78/10 Appl.No PCT/EP2018/057620 Applicant KVERNELAND GROUP KERTEMINDE AS Inventor PAULI, Marco

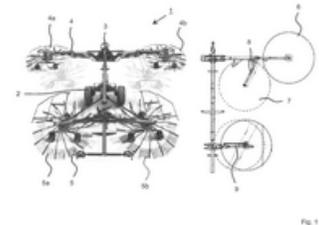
The invention relates to a method for controlling an agricultural machine when **windrowing** a crop on a usable agricultural area, comprising: making available an agricultural machine with a **windrowing** rake [1], in which a combination of raking devices [4, 5] is arranged on a supporting frame [3], said raking devices [4, 5] being configured to **windrow** a crop on a usable agricultural area: moving the agricultural machine with the **windrowing** rake [1] on the usable agricultural area, in order to **windrow** the crop: and controlling the raking devices [4, 5] during the **windrowing** operation by means of control signals generated by a control device of the agricultural machine, wherein in this context the raking devices [4, 5] are controlled in accordance with a first operating mode to **windrow** a first section of a **windrow** of the crop with a first **windrow** width if the agricultural machine with the **windrowing** rake [1] is moving along an essentially straight driving section; and the raking devices [4, 5] are controlled in accordance with the second operating mode to **windrow** a second section of the **windrow** with a second **windrow** width which is smaller than the first **windrow** width if the agricultural machine with the **windrowing** rake [1] is moving along a curved driving section. Furthermore, an arrangement having an agricultural machine for **windrowing** a crop on a usable agricultural area is provided.

**2. WO/2018/184857 METHOD FOR CONTROLLING AN AGRICULTURAL MACHINE WHEN WINDROWING A CROP ON A USABLE AGRICULTURAL AREA AND AGRICULTURAL MACHINE**

WO - 11.10.2018

Int.Class A01D 78/10 Appl.No PCT/EP2018/057311 Applicant KVERNELAND GROUP KERTEMINDE AS Inventor PAULI, Marco

The invention relates to a method for controlling an agricultural machine when **windrowing** a crop on a usable agricultural area, comprising: making available an agricultural machine with a **windrowing** rake [1], in which a combination of raking devices [4a, 4b, 5a, 5b] is arranged on a supporting frame [3], said raking devices [4a, 4b, 5a, 5b] being configured to **windrow** a crop on a usable agricultural area; moving the agricultural machine with the **windrowing** rake [1] on the usable agricultural area, in order to **windrow** the crop: repeated determination of machine position data for the agricultural machine by means of a position-determining system while the agricultural machine is being moved on the usable agricultural area, wherein the machine position data indicate an instantaneous position of the agricultural machine on the usable agricultural area; making available electronic location information, wherein the electronic location information comprises position information which indicates a distribution of the crop to be **windrowed** along a non-linear line in a part of the usable agricultural area; and controlling the raking devices [4a, 4b, 5a, 5b] by means of control signals which are generated by a control device, if during data processing of the machine position data and of the position information by means of the control device it is determined that the crop is being **windrowed** in the part of the usable agricultural area such that a working position of one or more raking devices [4a, 4b, 5a, 5b] is set and changed as a function of the position in order to **windrow** the crop which is distributed along the non-linear line into a **windrow** which is produced so as to run along a straight **windrowing** line, wherein during the position-dependent setting and changing of the working position the one or more raking devices [4a, 4b, 5a, 5b] is/are moved between a raised non-working position and a lowered working position and/or is/are moved with respect to the supporting frame [3], between a proximal and a distal working position. Furthermore, an arrangement with an agricultural machine for **windrowing** a crop on a usable agricultural area is provided.

**3. 0002719182 WIND FARM WITH MULTIPLE CUTTERS**

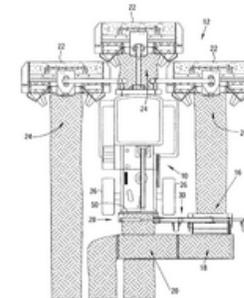
RU - 17.04.2020

Int.Class A01D 34/24 Appl.No 2016135757 Applicant Inventor ПОТОУЛ Дэвид В. [US]

1. 20030024228 WINDROW MERGING ATTACHMENTInt.Class [A01D 57/30](#)  Appl.No 10209373 Applicant [Deere & Company](#) Inventor Franet Roger

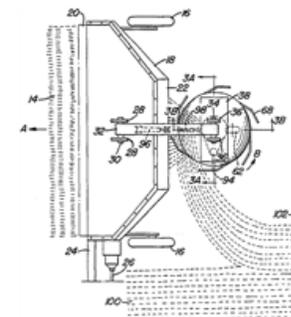
A [windrow](#) merging implement with a pick-up, a conveyor and a connecting hitch or structure is provided in combination with a mowing vehicle, with the connecting hitch being releasably secured to a rear end of the vehicle chassis. The mowing vehicle is operative to form [windrows](#) of crop in one or more of three locations, namely, a central location passing longitudinally between the wheels of the vehicle and one on each side of the vehicle. The [windrow](#) merging implement may be positioned at either side of the vehicle for picking up the [windrow](#) deposited there, and includes a conveyor structure for either depositing the picked up [windrow](#) upon or alongside the centrally deposited [windrow](#). Also disclosed is an embodiment where the [windrow](#) merging implement picks up and displaces transversely the centrally deposited [windrow](#). A further embodiment discloses two [windrow](#) merging implements which respectively pick up the [windrows](#) at the opposite sides of the vehicle and convey them inwardly so as to be combined with the centrally located [windrow](#).

US - 06.02.2003

**2. 4757672 MOWER CONDITIONER WITH DOUBLE WINDROWING ATTACHMENT**Int.Class [A01D 43/02](#)  Appl.No 06461330 Applicant [Deere & Company](#) Inventor Roger Andre

To form a double [windrow](#) of a grass crop after it has been cut, a [windrow](#) grouper is mounted behind a mower conditioner unit. The [windrow](#) grouper has an upright rotating drum which is provided with crop-engaging tines, and is positioned to deflect the cut crop into the double [windrow](#) when the crop is still in flight from the mower conditioner unit and before it has any substantial contact with the ground. The [windrow](#) grouper is swung clear of the crop delivered by the mower conditioner unit to enable an initial [windrow](#) to be laid, and then is swung back into the flight path of the crop to form the double [windrow](#).

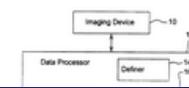
US - 19.07.1988

**3. 2006202756 METHOD AND SYSTEM FOR VEHICULAR GUIDANCE WITH RESPECT TO HARVESTED CROP**Int.Class [G05D 1/02](#)  Appl.No 2006202756 Applicant [Deere & Company](#) Inventor Han, Shufeng

A discriminator identifies [windrow](#) pixels associated with a [windrow](#) within a collected image. A definer defines a search space with respect to a vehicle. An evaluator determines respective spatial correlations between the defined search space and the [windrow](#) pixels for different angular displacements of the search space. An alignment detector or search engine determining a desired vehicular heading as a preferential angular displacement associated with a generally maximum spatial correlation between the defined search space and the [windrow](#) pixels. An offset calculator estimates an offset of the vehicle to a central point of

AU - 13.07.2006

1/10



EN_AB:("windrower") AND PA:deere AND PD:2018



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1. **3004677** SYSTEM FOR AUTOMATICALLY CONTROLLING CONDITIONING AND WINDROWING ARRANGEMENTS OF A WORK VEHICLE

CA - 12.11.2018

Int.Class [A01D 41/10](#) ⓘ Appl.No 3004677 Applicant [DEERE & COMPANY](#) Inventor ROTOLE, DAVID V.

A work vehicle system includes at least one harvesting work vehicle with a harvesting arrangement. The harvesting arrangement is one of a conditioning arrangement configured to condition a crop material and a **windrowing** arrangement configured to form a **windrow** of the crop material. A method includes receiving, by a processor of a control system from a memory element, a stored setting for a variable parameter of the harvesting arrangement. The method also includes processing, by the processor, a control signal based, at least in part, on the stored setting. Furthermore, the method includes changing, with an actuator, the variable parameter of the harvesting arrangement according to the control signal.



2. **3004684** CONTROL SYSTEM FOR ADJUSTING FORMING SHIELD OF WINDROWING WORK VEHICLE

CA - 12.11.2018

Int.Class [A01D 57/30](#) ⓘ Appl.No 3004684 Applicant [DEERE & COMPANY](#) Inventor ROTOLE, DAVID V.

A forming shield arrangement configured for a **windrowing** work vehicle is supported for movement by a support structure. The forming shield arrangement is configured to at least partly shape a **windrow** of a crop material. A method of operating the forming shield arrangement includes receiving, by a processor of a control system from a memory element, a stored position setting that corresponds to a position of the forming shield arrangement relative to the support structure. The method also includes processing, by the processor, a positioning control signal based, at least in part, on the stored position setting. Moreover, the method includes changing, with an actuator, the position of the forming shield arrangement according to the positioning control signal.



3. **3004658** CONTROL SYSTEM FOR ADJUSTING SWATH FLAP OF WINDROWING WORK VEHICLE

CA - 12.11.2018

Int.Class [A01B 71/02](#) ⓘ Appl.No 3004658 Applicant [DEERE & COMPANY](#) Inventor ROTOLE, DAVID V.

A **windrowing** work vehicle with a swath flap arrangement is disclosed. The swath flap arrangement includes a swath flap that is supported for movement by a support structure between a raised position and a lowered position. The swath flap is configured to at least partially shape a **windrow** of a crop material. A method includes receiving, by a processor of a control system from a memory element, a stored position setting that corresponds to a position of the swath flap relative to the support structure. The method further includes processing, by the processor, a positioning control signal based, at least in part, on the stored position setting. Also, the method includes moving, with an actuator, the swath flap relative to the support structure between the raised position and the lowered position according to the positioning control signal.



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EN_AB:("windrower")|

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wind turbine - general searches, looking everywhere

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ALLNUM:[DK 2008 123] - looking for IDs, WO, PCT numbers

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1. [WO/2018/184886](#) METHOD FOR CONTROLLING AN AGRICULTURAL MACHINE WHEN WINDROWING A CROP AND AN ARRANGEMENT HAVING AN AGRICULTURAL MACHINE

WO - 11.10.2018

Int.Class [A01D 78/10](#) Appl.No PCT/EP2018/057620 Applicant KVERNELAND GROUP KERTEMINDE AS Inventor PAULI, Marco

The invention relates to a method for controlling an agricultural machine when **windrowing** a crop on a usable agricultural area, comprising: making available an agricultural machine with a **windrowing** rake [1], in which a combination of raking devices [4, 5] is arranged on a supporting frame [3], said raking devices [4, 5] being configured to **windrow** a crop on a usable agricultural area: moving the agricultural machine with the **windrowing** rake [1] on the usable agricultural area, in order to **windrow** the crop: and controlling the raking devices [4, 5] during the **windrowing** operation by means of control signals generated by a control device of the agricultural machine, wherein in this context the raking devices [4, 5] are controlled in accordance with a first operating mode to **windrow** a first section of a **windrow** of the crop with a first **windrow** width if the agricultural machine with the **windrowing** rake [1] is moving along an essentially straight driving section; and the raking devices [4, 5] are controlled in accordance with the second operating mode to **windrow** a second section of the **windrow** with a second **windrow** width which is smaller than the first **windrow** width if the agricultural machine with the **windrowing** rake [1] is moving along a curved driving section. Furthermore, an arrangement having an agricultural machine for **windrowing** a crop on a usable agricultural area is provided.

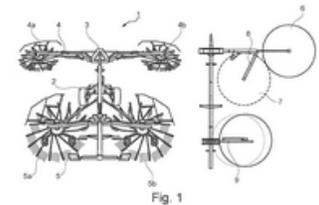


Fig. 1

2. [WO/2018/184857](#) METHOD FOR CONTROLLING AN AGRICULTURAL MACHINE WHEN WINDROWING A CROP ON A USABLE AGRICULTURAL AREA AND AGRICULTURAL MACHINE

WO - 11.10.2018

Int.Class [A01D 78/10](#) Appl.No PCT/EP2018/057311 Applicant KVERNELAND GROUP KERTEMINDE AS Inventor PAULI, Marco

The invention relates to a method for controlling an agricultural machine when **windrowing** a crop on a usable agricultural area, comprising: making available an agricultural machine with a **windrowing** rake [1], in which a combination of raking devices [4a, 4b, 5a, 5b] is arranged on a supporting frame [3], said raking devices [4a, 4b, 5a, 5b] being configured to **windrow** a crop on a usable agricultural area; moving the agricultural machine with the **windrowing** rake [1] on the usable agricultural area, in order to **windrow** the crop: repeated determination of machine position data for the agricultural machine by means of a position-determining system while the agricultural machine is being moved on the usable agricultural area, wherein the machine position data indicate an instantaneous position of the agricultural machine on the usable agricultural area; making available electronic location information, wherein the electronic location information comprises position information which indicates a distribution of the crop to be **windrowed** along a non-linear line in a part of the usable agricultural area; and controlling the raking devices [4a, 4b, 5a, 5b] by means of control signals which are generated by a control device, if during data processing of the machine position data and of the position information by means of the control device it is determined that the crop is being **windrowed** in the part of the usable agricultural area such that a working position of one or more raking devices [4a, 4b, 5a, 5b] is set and changed as a function of the position in order to **windrow** the crop which is distributed along the non-linear line into a **windrow** which is produced so as to run along a straight **windrowing** line, wherein during the position-dependent setting and changing of the working position the one or more raking devices [4a, 4b, 5a, 5b] is/are moved between a raised non-working position and a lowered working position and/or is/are moved with respect to the supporting frame [3], between a proximal and a distal working position. Furthermore, an arrangement with an agricultural machine for **windrowing** a crop on a usable agricultural area is provided.

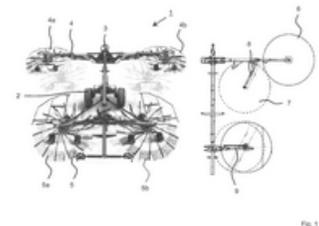


Fig. 1

3. [0002719182](#) WIND FARM WITH MULTIPLE CUTTERS

RU - 17.04.2020

Int.Class [A01D 34/24](#) Appl.No 2016135757 Applicant Inventor ПОТОУЛ Дэвид В. [US]

EN_AB:("windrower") OR FR_AB:("andaineuse" OR "andainage" OR "andaineur") OR DE_AB:("Schwadleger" OR "Schwader" OR "Schwadenziehen") OR ES_AB:("acordonadora" OR "hilerado" OR "máq



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EN_AB:("windrower") OR FR_AB:("andaineuse" OR "andainage" OR "andaineur") OR DE_AB:("Schwadleger" OR "Schwader" OR "Schwadenziehen") OR ES_AB:("acordonadora" OR "hilerado" OR "máquina arrancadora") OR PT_AB:("amontoamento" OR "arrancador" OR "sega") OR RU_AB:("жатки" OR "виндруюэр" OR "валкоукладчика" OR "валкообразователь" OR "жатвенного") OR ZH_AB:("割晒机") OR IT_AB:("andanatura") OR NL_AB:("zwaden" OR "wiersen" OR "harken van gewas" OR "aanharken van gewas") OR DA_AB:("skarlægning" OR "skårlægger" OR "skaarlaegning" OR "skårlægning")

FP:(cup biodegradable) AND DP:[2018 TO 2023]



172 results Offices all Languages en Stemming true Single Family Member false Include NPL false



Sort: Relevance Per page: 10 View: All

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Machine translation

1. **111518375 BIODEGRADABLE THERMOFORMED CUP AND PREPARATION METHOD**

CN - 11.08.2020

Int.Class [C08L 67/04](#) Appl.No 202010526270.1 Applicant CSIC PRIDE (NANJING) TECHNOLOGY INNOVATION CO., LTD. Inventor LI JIN

The invention discloses a biodegradable thermoformed cup. The biodegradable thermoformed cup comprises the following components in parts by weight: 55 to 75 parts of polylactic acid, 10 to 25 parts of polypropylene carbonate, 1 to 10 parts of cotton fibers, 1 to 10 parts of filler powder, 0.1 to 1 part of paraffin, 0.1 to 1 part of a coupling agent and 0.1 to 0.9 part of a compatilizer. The biodegradable thermoformed cup is easy to form through thermoforming, the cup wall is thinner, high strength is realized, the cup wall is not easy to deform, and the cup is biodegradable and pollution-free. The invention further provides a preparation method of the biodegradable thermoformed cup.

2. **207107143 BIODEGRADABLE COATING PAPER CUP**

CN - 16.03.2018

Int.Class [B65D 3/06](#) Appl.No 201720767387.2 Applicant CHONGQING TAIBAO PAPER PRODUCTS CO., LTD. Inventor XIAO NAN

The utility model provides a biodegradable coating paper cup relates to paper cup technical field to solve the slow technical problem of paper cup coating degradation speed who exists among the priorart. This biodegradable coating paper cup, including cup body and bottom of cup, the bottom of cup is connected cup body lower extreme, space between cup body and both internal surfaces of bottom of cup can hold liquid, the edge that the cup was held on one's body forms the opening, the cup body all includes substrate and biodegradable material coating with the bottom of cup separately, biodegradable material coating forms the internal surface of cup body and bottom of cup.

3. **216754132 BIODEGRADABLE ANTIBACTERIAL WATER CUP**

CN - 17.06.2022

Int.Class [A47G 19/22](#) Appl.No 202123412046.9 Applicant AQUILARIA SINENSIS UNIVERSE ENVIRONMENTAL PROTECTION SCIENCE AND TECHNOLOGY LIMITED COMPANY Inventor LIU HUI

The utility model relates to a water cup, in particular to a biodegradable antibacterial water cup. According to the biodegradable antibacterial water cup, the handle can be unfolded and stored according to needs. The biodegradable antibacterial water cup comprises an outer cup body, an anti-skidding cup bottom, an inner cup body and the like, the bottom of the outer cup body is connected with the anti-skidding cup bottom, and the inner wall of the outer cup body is connected with the inner cup body. Heat insulation treatment is carried out on hot water through the heat insulation layer part, the supporting rod is held by hand to take up the water cup, the effect of preventing water with the too high temperature from scalding an operator can be achieved, the supporting rod can be stored, and therefore the supporting rod can be rotated out or folded up according to needs to take the water cup.

4. **20200231326 BIODEGRADABLE DRINKING CUP ASSEMBLY**

US - 23.07.2020

Int.Class [B65D 3/06](#) Appl.No 16253310 Applicant Jessica Romano Inventor Jessica Romano

A biodegradable drinking cup assembly for serving hot and cold beverages includes a cup that defines an interior space. The cup comprises hemp fiber so that the cup is biodegradable. The cup, in an upright configuration, is configured to position a liquid in the interior space. The cup insulates a hot or cold beverage and is configured for composting after use.

Sort: **Relevance** ▼ Per page: 10 ▼ View: All ▼

Relevance

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Pub Date Asc

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1.

In

PU

COMPETER SYSTEM REDUCING POWER CONSUM

Appl.No 1019990012283 Applicant HYUNDAI EL

tem is provided to maintain a cache memory in a powe

CONSTRUCTION. A computer system comprises a CPU[100], a cache memory[130] request. The cache memory[130] stores frequently used data. The tag RAM[110] is driven in response to a first clock signal, and generates a second clock signal the cache hit or the cache miss signal in response to the first clock signal, and a

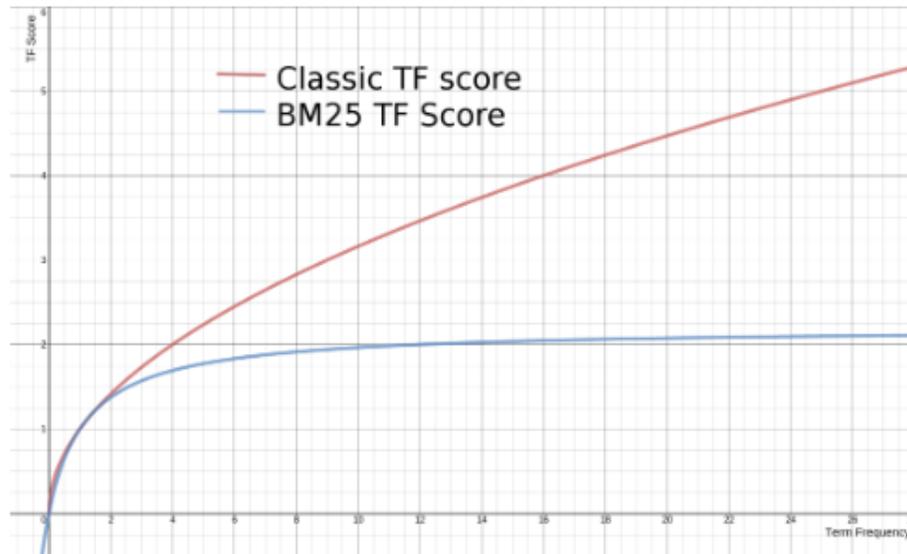
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PATENTSCOPE search scoring algorithm

Default scoring now uses [Okapi BM25](#) by default. It ranks a set of documents based on the query terms appearing in each document, regardless of the inter-relationship between the query terms within a document (e.g., their relative proximity)

Some scoring factors include:

- The number of times a search term appears in the document field: more matches produce a higher score. The saturation function of BM25 asymptotically approaches a limit for high term frequencies (fig 1) and therefore high term frequency doesn't have an impact on the final score
- The size of the document field: longer fields produce a lower score, with the idea being that for a given number of term matches, shorter is better (more specific match)
- Smarter document length weighting: A search term occurring once in a short doc is more relevant than a single term occurring in a longer doc (a book). BM25 penalizes/rewards document length relative to a document's average document length, as opposed to just having a constant multiple based on document length. The average length of the field across the entire corpus (BM25 considers this, classic tf-idf does not)
- How common the query terms are across the entire corpus: the idea being that rarer terms carry more information. For example, if searched for "solenoid valve", patents about solenoid score higher than things about valve.



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View: All ▼

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100

200

1. [1020000065684](#) COMP SYSTEM REDUCING POWER CONSUMP

Int.Class [G06F 1/32](#) (?) Appl 990012283 Applicant HYUNDAI ELE

PURPOSE: A computer system is to maintain a cache memory in a power

CONSTITUTION: A computer system comprises a CPU[100], a cache memory[130], request. The cache memory[130] stores frequently used data. The tag RAM[110] c is driven in response to a first clock signal, and generates a second clock signal i the cache hit or the cache miss signal in response to the first clock signal, and a s

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1. **1020000065684** COMPETER SYSTEM

Int.Class G06F 1/32 ⓘ Appl.No 101999001

PURPOSE: A computer system is provided to main

CONSTITUTION: A computer system comprises a
request. The cache memory[130] stores frequen
is driven in response to a first clock signal, and
the cache hit or the cache miss signal in response to the first clock signal, and a second clock signal generator selecting a D

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Simple

Double

All

All+Image

Image

Multi-columns

CONSUMPTION

YUNDAI ELECTRONICS IND. CO., LTD. Inventor KIM, D

in a power down mode in that case that a cache miss

memory[130], a tag RAM[110], and a cache controller[1

RAM[110] compares the address with a tag informati

Sort: Pub Date Desc ▼

Per page: 10 ▼

View: Simple ▼

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Machine translation ▼

1. [WO/2020/113252](#) SYSTEM AND METHOD FOR ADJUSTING AN EFFECTIVE LENGTH OF A CONNECTING ROD BY SUPPLYING LUBRICANT WO - 11.06.2020
2. [WO/2020/113262](#) GYROSCOPICALLY STABILISED LEGGED ROBOT WO - 11.06.2020
3. [WO/2020/113272](#) REFRACTIVE SCANNING INTERFEROMETER WO - 11.06.2020
4. [WO/2020/113282](#) SUPPORTER JERSEY WO - 11.06.2020
5. [WO/2020/113292](#) DEVICE FOR MONITORING THE OPERATIONAL CONDITIONS OF ELECTRIC POWER DISTRIBUTION TRANSFORMERS, INCLUDING IDENTIFICATION BY RFID TECHNOLOGY, AND RADIO-FREQUENCY COMMUNICATION WO - 11.06.2020
6. [WO/2020/113303](#) RECOMBINANT PROTEIN, SYNTHETIC DNA SEQUENCE, EXPRESSION VECTOR, HOST CELL, COMPOSITION, KIT FOR DIAGNOSING RUBELLA, USE OF AT LEAST ONE RECOMBINANT PROTEIN AND METHODS FOR PRODUCING A RECOMBINANT PROTEIN AND FOR DIAGNOSING RUBELLA WO - 11.06.2020
7. [WO/2020/113316](#) VARIABLE REFLEX FOOTWEAR TECHNOLOGY WO - 11.06.2020

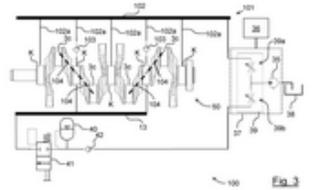
- 1. [WO/2020/113252](#)** SYSTEM AND METHOD FOR ADJUSTING AN EFFECTIVE LENGTH OF A CONNECTING ROD BY SUPPLYING LUBRICANT WO - 11.06.2020
Int.Class [F02B 75/04](#) ⓘ Appl.No PCT/AT2019/080413 Applicant AVL LIST GMBH Inventor RATH, Martin
- 2. [WO/2020/113262](#)** GYROSCOPICALLY STABILISED LEGGED ROBOT WO - 11.06.2020
Int.Class [B62D 57/032](#) ⓘ Appl.No PCT/AU2019/051318 Applicant THE UNIVERSITY OF QUEENSLAND Inventor POUNDS, Pauline Edith Iyan
- 3. [WO/2020/113272](#)** REFRACTIVE SCANNING INTERFEROMETER WO - 11.06.2020
Int.Class [G01J 3/45](#) ⓘ Appl.No PCT/AU2019/051327 Applicant RAPID PHENOTYPING PTY LIMITED Inventor RODD-ROUTLEY, Selene
- 4. [WO/2020/113282](#)** SUPPORTER JERSEY WO - 11.06.2020
Int.Class [A41D 1/04](#) ⓘ Appl.No PCT/AU2019/051338 Applicant GET BRANDED PTY LTD Inventor SIMMONS, Madonna
- 5. [WO/2020/113292](#)** DEVICE FOR MONITORING THE OPERATIONAL CONDITIONS OF ELECTRIC POWER DISTRIBUTION TRANSFORMERS, INCLUDING IDENTIFICATION BY RFID TECHNOLOGY, AND RADIO-FREQUENCY COMMUNICATION WO - 11.06.2020
Int.Class [G01K 1/02](#) ⓘ Appl.No PCT/BR2019/050352 Applicant GARCIA LELLIS JUNIOR, Celso Inventor GARCIA LELLIS JUNIOR, Celso
- 6. [WO/2020/113303](#)** RECOMBINANT PROTEIN, SYNTHETIC DNA SEQUENCE, EXPRESSION VECTOR, HOST CELL, COMPOSITION, KIT FOR DIAGNOSING RUBELLA, USE OF AT LEAST ONE RECOMBINANT PROTEIN AND METHODS FOR PRODUCING A RECOMBINANT PROTEIN AND FOR DIAGNOSING RUBELLA WO - 11.06.2020
Int.Class [C07K 14/19](#) ⓘ Appl.No PCT/BR2019/050522 Applicant FUNDAÇÃO OSWALDO CRUZ Inventor KRIEGER, Marco Aurélio

1. [WO/2020/113252](#) SYSTEM AND METHOD FOR ADJUSTING AN EFFECTIVE LENGTH OF A CONNECTING ROD BY SUPPLYING LUBRICANT

WO - 11.06.2020

Int.Class [F02B 75/04](#) [?](#) Appl.No PCT/AT2019/080413 Applicant AVL LIST GMBH Inventor RATH, Martin

The invention relates to a system [100] and a method [110] for adjusting an effective length of a length-adjustable connecting rod [1] for an internal combustion engine, as well as an internal combustion engine comprising a length-adjustable connecting rod [1] and a system [100] of this type. The connecting rod [1] has at least one first connecting part [4] and a second connecting part [5], which can be shifted in the direction of a longitudinal axis [1a] of the connecting parts [4, 5] and/or inside one another by means of a length adjustment device [16]. Also provided is a lubricant supply assembly [101] via which at least one crankshaft bearing [K] and/or crankpin bearing [3c] of the internal combustion engine can be supplied with a lubricant, as well as a hydraulic supply line [13] via which the length adjustment device [16] can be supplied with the lubricant being used as hydraulic medium. A supply device [37] is also provided, which can be fluidically connected on the output side with both the lubricant supply assembly [101] and the hydraulic supply line [13], and which is designed to withdraw the lubricant out of a lubricant reservoir [38] on the input side and to selectively direct a first portion of the withdrawn lubricant into the lubricant supply assembly [101] to lubricate the at least one crankshaft bearing [K] and/or crankpin bearing [3c] and direct a second portion of the lubricant into the hydraulic supply line [13] to shift the two connecting parts [4, 5] relative to and/or inside one another.



2. [WO/2020/113262](#) GYROSCOPICALLY STABILISED LEGGED ROBOT

WO - 11.06.2020

Int.Class [B62D 57/032](#) [?](#) Appl.No PCT/AU2019/051316 Applicant THE UNIVERSITY OF QUEENSLAND Inventor POUNDS, Pauline Edith Iyan

A gyroscopically stabilised legged robot including: a body; a number of legs coupled to the body and configured for providing legged locomotion of the robot across a surface in use; an orientation sensor for detecting an angular orientation of the body; a control moment gyroscope mounted on the robot, the control moment gyroscope including a rotor that spins around a rotor spin axis in use, and a tilting mechanism for supporting the rotor relative to the robot, the tilting mechanism being configured to rotate the rotor spin axis about two gyroscope rotation axes to thereby generate respective gyroscopic reaction torques; and a gyroscope controller configured to control operation of the tilting mechanism based at least in part on the detected angular orientation of the body, such that gyroscopic reaction torques are generated to at least partially stabilise the angular orientation of the body during the legged locomotion of the robot.

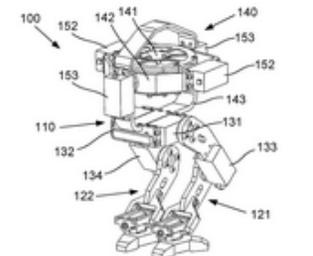


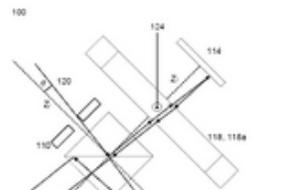
Fig. 1A

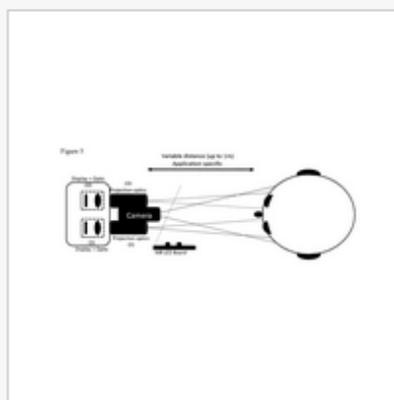
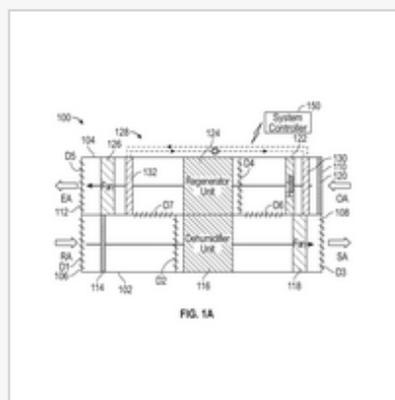
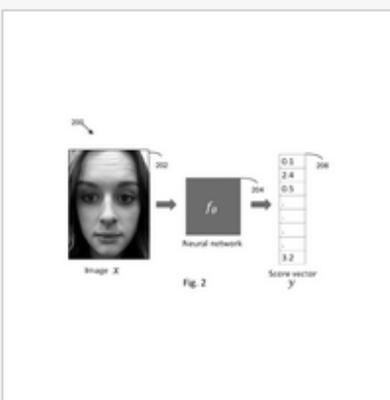
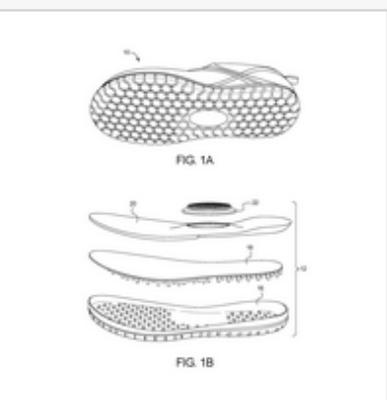
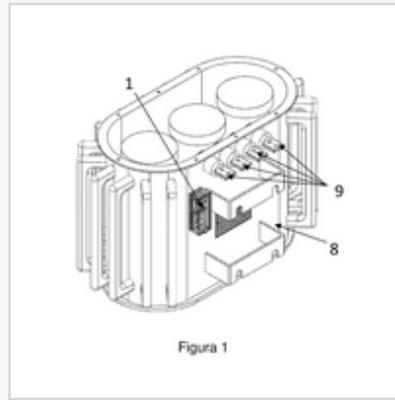
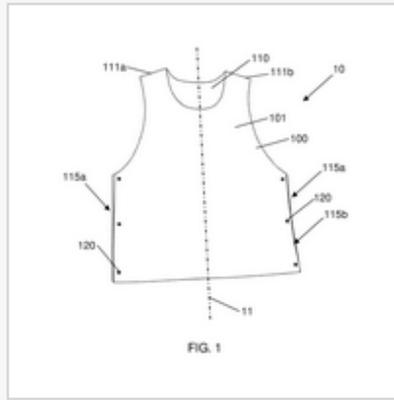
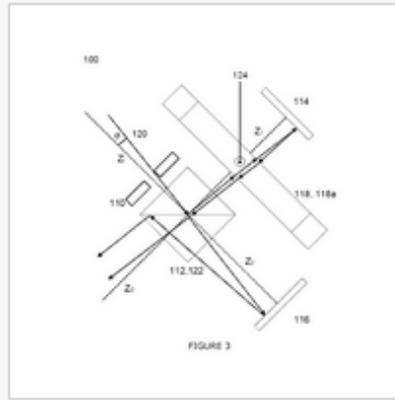
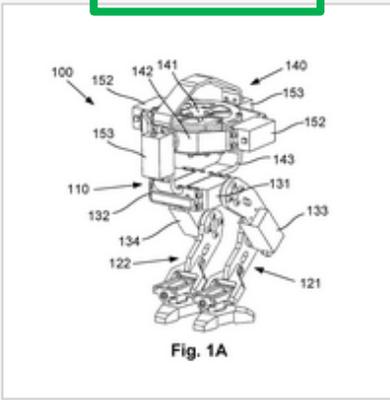
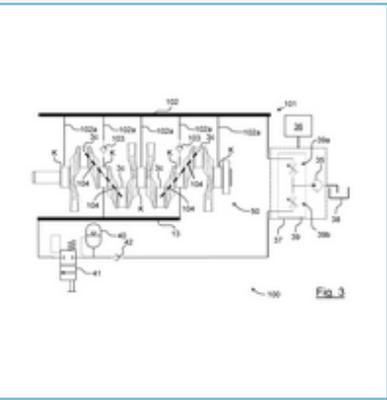
3. [WO/2020/113272](#) REFRACTIVE SCANNING INTERFEROMETER

WO - 11.06.2020

Int.Class [G01J 3/45](#) [?](#) Appl.No PCT/AU2019/051327 Applicant RAPID PHENOTYPING PTY LIMITED Inventor RODD-ROUTLEY, Selene

The present invention relates to a refractively-scanning interferometer comprising an aperture that receives an incident light beam at a receiving angle, a beam splitter configured to split the incident light beam into a first beam and a second beam, a first and a second reflector arranged to reflect the first beam and second beam, respectively, towards a combining optical element, and a refractive Optical Path Difference (rOPD) assembly interposed between the beam splitter and the first reflector, wherein the rOPD Assembly refracts the first light beam an even number of times with induced phase discrepancy being a vector sum of a first phase discrepancy induced by a first refraction and a second phase discrepancy induced by a second refraction, the rOPD Assembly being configured such that the first phase discrepancy is substantially opposite in direction to the second phase discrepancy, a portion of the first and second phase discrepancies cancelling one another out to decrease magnitude of the phase discrepancy.





1. [WO/2020/113252](#)

WO - 11.06.2020

Int.Class [F02B 75/04](#) ⓘ Appl.No PCT/AT2019/060413 Applicant AVL LIST GMBH Inventor RATH, Martin**[DE] SYSTEM UND VERFAHREN ZUM EINSTELLEN EINER WIRKSAMEN LÄNGE EINER PLEUELSTANGE MITTELS SCHMIERMITTELVERSORGUNG**

[DE] Die vorliegende Erfindung betrifft ein System [100] und ein Verfahren [110] zum Einstellen einer wirksamen Länge einer längenverstellbaren Pleuelstange [1] für eine Brennkraftmaschine sowie eine Brennkraftmaschine mit einer längenverstellbaren Pleuelstange [1] und einem solchen System [100]. Die Pleuelstange [1] weist zumindest einen ersten Pleuelteil [4] und einen zweiten Pleuelteil [5] auf, die mittels einer Längenverstelleinrichtung [16] in Richtung einer Längsachse [1a] der Pleuelteile [4, 5] zu- und/oder ineinander verschiebbar sind. Dabei ist eine Schmiermittelversorgungsanordnung [101], über welche zumindest ein Pleuelwellenlager [K] und/oder Pleuelzapfenlager [3c] der Brennkraftmaschine mit einem Schmiermittel beschickbar ist, und eine Hydraulikzuleitung [13], über welche die Längenverstelleinrichtung [16] mit dem als Hydraulikmedium eingesetzten Schmiermittel beschickbar ist, vorgesehen. Zudem ist eine Versorgungseinrichtung [37] vorgesehen, die ausgangsseitig sowohl mit der Schmiermittelversorgungsanordnung [101] als auch mit der Hydraulikzuleitung [13] strömungsverbindbar und dazu eingerichtet ist, das Schmiermittel eingangsseitig aus einem Schmiermittelreservoir [38] zu entnehmen und selektiv einen ersten Anteil des entnommenen Schmiermittels zum Schmieren des wenigstens einen Pleuelwellenlagers [K] und/oder Pleuelzapfenlagers [3c] in die Schmiermittelversorgungsanordnung [101] zu leiten und einen zweiten Anteil des Schmiermittels in die Hydraulikzuleitung [13] zum Verschieben der beiden Pleuelteile [4, 5] zu- und/oder ineinander zu leiten.

[EN] SYSTEM AND METHOD FOR ADJUSTING AN EFFECTIVE LENGTH OF A CONNECTING ROD BY SUPPLYING LUBRICANT

[EN] The invention relates to a system [100] and a method [110] for adjusting an effective length of a length-adjustable connecting rod [1] for an internal combustion engine, as well as an internal combustion engine comprising a length-adjustable connecting rod [1] and a system [100] of this type. The connecting rod [1] has at least one first connecting part [4] and a second connecting part [5], which can be shifted in the direction of a longitudinal axis [1a] of the connecting parts [4, 5] and/or inside one another by means of a length adjustment device [16]. Also provided is a lubricant supply assembly [101] via which at least one crankshaft bearing [K] and/or crankpin bearing [3c] of the internal combustion engine can be supplied with a lubricant, as well as a hydraulic supply line [13] via which the length adjustment device [16] can be supplied with the lubricant being used as hydraulic medium. A supply device [37] is also provided, which can be fluidically connected on the output side with both the lubricant supply assembly [101] and the hydraulic supply line [13], and which is designed to withdraw the lubricant out of a lubricant reservoir [38] on the input side and to selectively direct a first portion of the withdrawn lubricant into the lubricant supply assembly [101] to lubricate the at least one crankshaft bearing [K] and/or crankpin bearing [3c] and direct a second portion of the lubricant into the hydraulic supply line [13] to shift the two connecting parts [4, 5] relative to and/or inside one another.

[FR] SYSTÈME ET PROCÉDÉ PERMETTANT D'AJUSTER UNE LONGUEUR ACTIVE D'UNE BIELLE AU MOYEN D'UNE ALIMENTATION EN LUBRIFIANT

[FR] La présente invention concerne un système [100] et un procédé [110] permettant d'ajuster une longueur active d'une bielle [1] réglable en longueur pour un moteur à combustion interne, ainsi qu'un moteur à combustion interne muni d'une bielle [1] réglable en longueur et dudit système [100]. La bielle [1] présente au moins une première partie de bielle [4] et une seconde partie de bielle [5] qui peuvent être déplacées l'une vers l'autre et/ou l'une dans l'autre au moyen d'un dispositif [16] de réglage en longueur dans la direction d'un axe longitudinal [1a] des parties de bielle [4, 5]. Le système comprend un ensemble d'alimentation en lubrifiant [101] par lequel au moins un palier de vilebrequin [K] et/ou un palier de maneton [3c] du moteur à combustion interne peut être alimenté en lubrifiant, et une conduite hydraulique [13] par laquelle le dispositif [16] de réglage en longueur peut être alimenté en un lubrifiant utilisé en tant que fluide hydraulique. Le système comprend en outre un dispositif d'alimentation [37] qui peut être raccordé fluidiquement côté sortie à la fois à l'ensemble d'alimentation en lubrifiant [101] et à la conduite hydraulique [13] et qui est conçu pour prélever le lubrifiant côté entrée hors d'un réservoir [38] de lubrifiant, et pour diriger sélectivement une première part du lubrifiant prélevé vers l'ensemble d'alimentation en lubrifiant [101] pour la lubrification du ou des paliers de vilebrequin [K] et/ou du ou des paliers de maneton [3c], et une seconde part du lubrifiant vers la conduite hydraulique [13] pour le déplacement des deux parties de bielle [4, 5] l'une vers l'autre et/ou l'une dans l'autre.

2. [WO/2020/113262](#)

WO - 11.06.2020

Int.Class [B82D 57/032](#) ⓘ Appl.No PCT/AU2019/051318 Applicant THE UNIVERSITY OF QUEENSLAND Inventor POUNDS, Pauline Edith Iyan**[EN] GYROSCOPICALLY STABILISED LEGGED ROBOT**

[EN] A gyroscopically stabilised legged robot including: a body; a number of legs coupled to the body and configured for providing legged locomotion of the robot across a surface in use; an orientation sensor for detecting an angular orientation of the body; a control moment gyroscope mounted on the robot, the control moment gyroscope including a rotor that spins around a rotor spin axis in use, and a tilting mechanism for supporting the rotor relative to the robot, the tilting mechanism being configured to rotate the rotor spin axis about two gyroscope rotation axes to thereby generate

[FR] ROBOT À JAMBES GYROSCOPIQUEMENT STABILISÉ

[FR] La présente invention concerne un robot à jambes gyroscopiquement stabilisé comprenant : un corps ; un certain nombre de jambes accouplées au corps et conçues afin de fournir une locomotion à jambes du robot sur une surface lors de l'utilisation ; un capteur d'orientation destiné à détecter une orientation angulaire du corps ; un gyroscope à moment de commande monté sur le robot, le gyroscope à moment de commande comprenant un rotor qui tourne autour d'un axe de rotation de rotor lors de l'utilisation, et un mécanisme d'inclinaison destiné à soutenir le rotor par rapport au robot, le

FP:(cup biodegradable) AND DP:[2018 TO 2023]



172 results Offices all Languages en Stemming true Single Family Member false Include NPL false



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Machine translation ▾

1. [111518375](#) **BIODEGRADABLE THERMOFORMED CUP** AND PREPARATION METHOD

CN - 11.08.2020

Int.Class [C08L 67/04](#) ⓘ Appl.No 202010526270.1 Applicant CSIC PRIDE (NANJING) TECHNOLOGY INNOVATION CO., LTD. Inventor LI JIN

The invention discloses a **biodegradable** thermoformed **cup**. The **biodegradable** thermoformed **cup** comprises the following components in parts by weight: 55 to 75 parts of polylactic acid, 10 to 25 parts of polypropylene carbonate, 1 to 10 parts of cotton fibers, 1 to 10 parts of filler powder, 0.1 to 1 part of paraffin, 0.1 to 1 part of a coupling agent and 0.1 to 0.9 part of a compatilizer. The **biodegradable** thermoformed **cup** is easy to form through thermoforming, the **cup** wall is thinner, high strength is realized, the **cup** wall is not easy to deform, and the **cup** is **biodegradable** and pollution-free. The invention further provides a preparation method of the **biodegradable** thermoformed **cup**.

2. [207107143](#) **BIODEGRADABLE COATING PAPER CUP**

CN - 16.03.2018

Int.Class [B65D 3/06](#) ⓘ Appl.No 201720767387.2 Applicant CHONGQING TAIBAO PAPER PRODUCTS CO., LTD. Inventor XIAO NAN

The utility model provides a **biodegradable** coating paper **cup** relates to paper **cup** technical field to solve the slow technical problem of paper **cup** coating degradation speed who exists among the priorart. This **biodegradable** coating paper **cup**, including **cup** body and bottom of **cup**, the bottom of **cup** is connected **cup** body lower extreme, space between **cup** body and both internal surfaces of bottom of **cup** can hold liquid, the edge that the **cup** was held on one's body forms the opening, the **cup** body all includes substrate and **biodegradable** material coating with the bottom of **cup** separately, **biodegradable** material coating forms the internal surface of **cup** body and bottom of **cup**.

3. [216754132](#) **BIODEGRADABLE ANTIBACTERIAL WATER CUP**

CN - 17.06.2022

Int.Class [A47G 19/22](#) ⓘ Appl.No 202123412046.9 Applicant AQUILARIA SINENSIS UNIVERSE ENVIRONMENTAL PROTECTION SCIENCE AND TECHNOLOGY LIMITED COMPANY Inventor LIU HUI

The utility model relates to a water **cup**, in particular to a **biodegradable** antibacterial water **cup**. According to the **biodegradable** antibacterial water **cup**, the handle can be unfolded and stored according to needs. The **biodegradable** antibacterial water **cup** comprises an outer **cup** body, an anti-skidding **cup** bottom, an inner **cup** body and the like, the bottom of the outer **cup** body is connected with the anti-skidding **cup** bottom, and the inner wall of the outer **cup** body is connected with the inner **cup** body. Heat insulation treatment is carried out on hot water through the heat insulation layer part, the supporting rod is held by hand to take up the water **cup**, the effect of preventing water with the too high temperature from scalding an operator can be achieved, the supporting rod can be stored, and therefore the supporting rod can be rotated out or folded up according to needs to take the water **cup**.

4. [20200231326](#) **BIODEGRADABLE DRINKING CUP ASSEMBLY**

US - 23.07.2020

Int.Class [B65D 3/06](#) ⓘ Appl.No 16253310 Applicant Jessica Romano Inventor Jessica Romano

A **biodegradable** drinking **cup** assembly for serving hot and cold beverages includes a **cup** that defines an interior space. The **cup** comprises hemp fiber so that the **cup** is **biodegradable**. The **cup**, in an upright configuration, is configured to position a liquid in the interior space. The **cup** insulates a hot or cold beverage and is configured for composting after use.

FP:(cup biodegradable) AND DP:[2018 TO 2023]



172 results Offices all Languages en Stemming true Single Family Member false Include NPL false



Relevance 10 All

Machine translation

< 1/18 >

1. CN111518375 - BIODEGRADABLE THERMOFORMED CUP AND PREPARATION METH

National Biblio. Data Description Claims Documents

PermaLink Machine translation

1. **111518375** BIODEGRADABLE THERMOFORMED CUP AND PREPARATION METHOD CN - 11.08.2020

Int.Class [C08L 67/04](#) Appl.No 202010526270.1 Applicant CSIC PRIDE (NANJING) TECHNOLOGY INNOVATION CO., LTD. Inventor LI JIN

The invention discloses a biodegradable thermoformed cup. The biodegradable thermoformed cup comprises the following components in parts by weight: 55 to 75 parts of polylactic acid, 10 to 25 parts of polypropylene carbonate, 1 to 10 parts of cotton fibers, 1 to 10 parts of filler powder, 0.1 to 1 part of paraffin, 0.1 to 1 part of a coupling agent and 0.1 to 0.9 part of a compatilizer. The biodegradable thermoformed cup is

2. **207107143** BIODEGRADABLE COATING PAPER CUP CN - 16.03.2018

Int.Class [B65D 3/06](#) Appl.No 201720767387.2 Applicant CHONGQING TAIBAO PAPER PRODUCTS CO., LTD. Inventor XIAO NAN

The utility model provides a biodegradable coating paper cup relates to paper cup technical field to solve the slow technical problem of paper cup coating degradation speed who exists among the priorart. This biodegradable coating paper cup, including cup body and bottom of cup, the bottom of cup is connected cup body lower extreme, space between cup body and both internal surfaces of bottom of cup can hold liquid.

3. **216754132** BIODEGRADABLE ANTIBACTERIAL WATER CUP CN - 17.06.2022

Int.Class [A47G 19/22](#) Appl.No 202123412046.9 Applicant AQUILARIA SINENSIS UNIVERSE ENVIRONMENTAL PROTECTION SCIENCE AND TECHNOLOGY LIMITED COMPANY Inventor LIU HUI

The utility model relates to a water cup, in particular to a biodegradable antibacterial water cup. According to the biodegradable antibacterial water cup, the handle can be unfolded and stored according to needs. The biodegradable antibacterial water cup comprises an outer cup body, an anti-skidding cup bottom, an inner cup body and the like, the bottom of the outer cup body is connected with the anti-skidding cup bottom.

Office

China

Application Number

202010526270.1

Application Date

09.06.2020

Publication Number

111518375

Publication Date

11.08.2020

Grant Number

111518375

Grant Date

05.04.2022

Publication Kind

Title

[EN] Biodegradable thermoformed cup and preparation method
[ZH] 一种生物降解热成型杯及制备方法

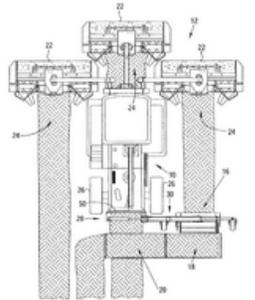
Abstract

[EN] The invention discloses a biodegradable thermoformed cup. The biodegradable thermoformed cup comprises the following components in parts by weight: 55 to 75 parts of polylactic acid, 10 to 25 parts of polypropylene carbonate, 1 to 10 parts of cotton fibers, 1 to 10 parts of filler powder, 0.1 to 1 part of paraffin, 0.1 to 1 part of a coupling agent and 0.1 to 0.9 part of a compatilizer. The biodegradable thermoformed cup is easy to form through thermoforming, the cup wall is thinner, high strength is realized, the cup wall is not easy to deform, and the cup is biodegradable and pollution-free. The invention further provides a preparation method of the biodegradable thermoformed cup.
[ZH] 本发明的一种生物降解热成型杯, 包括如下重量份的组分: 该生物降解热成型杯易于热加工成型, 杯壁厚度较薄的同时具有较高的强度, 杯壁不易变形, 还能够生物降解无污染。本发明还提出一种生物降解热成型杯的制备方法。

**1. 20030024228 WINDROW MERGING ATTACHMENT**Int.Class [A01D 57/30](#) ? Appl.No 10209373 Applicant [Deere & Company](#) Inventor Franet Roger

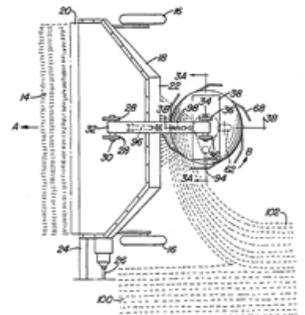
A [windrow](#) merging implement with a pick-up, a conveyor and a connecting hitch or structure is provided in combination with a mowing vehicle, with the connecting hitch being releasably secured to a rear end of the vehicle chassis. The mowing vehicle is operative to form [windrows](#) of crop in one or more of three locations, namely, a central location passing longitudinally between the wheels of the vehicle and one on each side of the vehicle. The [windrow](#) merging implement may be positioned at either side of the vehicle for picking up the [windrow](#) deposited there, and includes a conveyor structure for either depositing the picked up [windrow](#) upon or alongside the centrally deposited [windrow](#). Also disclosed is an embodiment where the [windrow](#) merging implement picks up and displaces transversely the centrally deposited [windrow](#). A further embodiment discloses two [windrow](#) merging implements which respectively pick up the [windrows](#) at the opposite sides of the vehicle and convey them inwardly so as to be combined with the centrally located [windrow](#).

US - 06.02.2003

**2. 4757672 MOWER CONDITIONER WITH DOUBLE WINDROWING ATTACHMENT**Int.Class [A01D 43/02](#) ? Appl.No 06461330 Applicant [Deere & Company](#) Inventor Roger Andre

To form a double [windrow](#) of a grass crop after it has been cut, a [windrow](#) grouper is mounted behind a mower conditioner unit. The [windrow](#) grouper has an upright rotating drum which is provided with crop-engaging tines, and is positioned to deflect the cut crop into the double [windrow](#) when the crop is still in flight from the mower conditioner unit and before it has any substantial contact with the ground. The [windrow](#) grouper is swung clear of the crop delivered by the mower conditioner unit to enable an initial [windrow](#) to be laid, and then is swung back into the flight path of the crop to form the double [windrow](#).

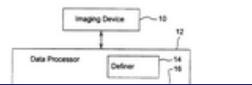
US - 19.07.1988

**3. 2006202756 METHOD AND SYSTEM FOR VEHICULAR GUIDANCE WITH RESPECT TO HARVESTED CROP**Int.Class [G05D 1/02](#) ? Appl.No 2006202756 Applicant [Deere & Company](#) Inventor Han, Shufeng

A discriminator identifies [windrow](#) pixels associated with a [windrow](#) within a collected image. A definer defines a search space with respect to a vehicle. An evaluator determines respective spatial correlations between the defined search space and the [windrow](#) pixels for different angular displacements of the search space. An alignment detector or search engine determining a desired vehicular heading as a preferential angular displacement associated with a generally maximum spatial correlation between the defined search space and the [windrow](#) pixels. An offset calculator estimates an offset of the vehicle to a central point of

AU - 13.07.2006

1/10



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Multiple Windows Interface

Default Search Form
Field Combination

1. [WO2018051622](#) 送信装置、およびシステム

JP - 22.03.2018

Int.Class [H04L25/02](#) [?](#) Appl.No 2018539538 Applicant ソニーセミコンダクタソリューションズ株式会社 Inventor 林 宏暁

送信データに基づいて、送信データにおけるデータ遷移後の反射ノイズの影響が低減された送信信号を送信する機能を有する送信部を備える、送信装置が、提供される。
【選択図】 図12

2. [WO2018052002](#) THROMBOSPONDIN 1 結合ペプチド

JP - 22.03.2018

Int.Class [C07K7/64](#) [?](#) Appl.No 2018539736 Applicant 第一三共株式会社 Inventor 山口 孝弘

TSP1の機能を阻害することで血管新生を促進することができ、重症下肢虚血などの疾患の治療または予防に有用である化合物の提供。
式 (I)
【化1】

【式中、Aは、連結残基であり；X_{aa2}はアミノ酸の残基である、脂肪族アミノ酸またはその薬理上許

1. [WO2018051622](#) TRANSMITTER AND SYSTEM

JP - 22.03.2018

Int.Class [H04L25/02](#) [?](#) Appl.No 2018539538 Applicant ソニーセミコンダクタソリューションズ株式会社 Inventor 林 宏暁

on the basis of the transmission data, a transmission unit having a function of transmitting a transmission signal in which the effect of reflection noise after data transition in the transmission data is reduced [selection diagram]. FIG. 12

3. [2019512401](#)

Int.Class [B23C5/10](#)

回転切削工具 (20部材 (38)を含む)
【選択図】 図1

2. [WO2018052002](#) TO PROVIDE A THROBOSPONDIN1 BINDING PEPTIDE

JP - 22.03.2018

Int.Class [C07K7/64](#) [?](#) Appl.No 2018539736 Applicant 第一三共株式会社 Inventor 山口 孝弘

to provide a compound capable of promoting angiogenesis by inhibiting the function of TSP1, and useful for treatment or prevention of diseases such as severe lower limb ischemia
formula [I]
【化1】

in the formula, an is selected from a linking group a1 to a6, and xa1 is a residue of an aliphatic amino acid, an aromatic amino acid, a basic amino acid, a neutral amino acid or an acidic amino acid, or does not exist; xa2 is a residue of an aromatic amino acid or a neutral amino acid; xa3 is a residue of an aliphatic amino acid, an aromatic amino acid or a basic amino acid; xaa4 is ser, thr, ala, or MS; xaa5 is gly or ser; xaa6 is a residue of a basic amino acid or a neutral amino acid; xaa7 is a residue of a neutral amino acid or an acidic amino acid; xaa8 is an aromatic amino acid residue; an aliphatic amino acid, an aromatic amino acid, or a neutral amino acid residue; xaa11 is an aromatic amino acid residue; xaa12 is a residue of an aliphatic amino acid, an aromatic amino acid or a basic amino acid]; and xaa12 is a residue of an aliphatic amino acid, an aromatic amino acid or a basic amino acid]

4. [2019512679](#)

Int.Class [G01R27/21](#)

本発明の一実施例に及び第1基準抵抗；
第2基準抵抗；

3. [2019512401](#) ROTARY CUTTING TOOL HAVING TOOL HOLDER WITH CONICAL FEMALE SCREW AND REPLACEABLE CUTTING HEAD WITH PARALLEL MALE SCREW, AND TOOL HOLDER

JP - 28.09.2017

Int.Class [B23C5/10](#) [?](#) Appl.No 2018540098 Applicant イスカル リミテッド Inventor ガイ, ハノック

a rotary cutting tool 20 includes a replaceable cutting head 22 and a tool holder 24. The replaceable cutting head 22 includes a front cutting part 26 and a rear mounting part 28. the attachment part 28 includes a male coupling member 38 including a parallel male screw 42. The tool holder 24 includes a female coupling member 68 including a conical female screw 72. When the rotary cutting tool 20 is in the locked position, the male screw 42 is engaged with the female screw 72 in a threaded manner
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4. [2019512679](#) APPARATUS AND METHOD FOR CALCULATING INSULATION RESISTANCE OF BATTERY

JP - 24.05.2018

Int.Class [G0R27/20](#) [?](#) Appl.No 2018545609 Applicant エルジー・ケム・リミテッド Inventor キム, ジーフン

an insulation resistance calculation device according to an embodiment of the present invention includes: a switching part including a first switch and a second switch which are controlled independently of each other; a first protective resistance and a first reference resistance connected in series between a positive terminal of the battery and the ground when the first switch is turned on; a first reference resistance; a second protective resistor and a second reference resistor connected in

FP:(cup biodegradable) AND DP:[2018 TO 2023]



172 results Offices all Languages en Stemming true Single Family Member false Include NPL false



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1. **111518375 BIODEGRADABLE THERMOFORMED CUP AND PREPARATION METHOD**

Int.Class [C08L 67/04](#) [?] Appl.No 202010526270.1 Applicant CSIC PRIDE (NANJING) TECHNOLOGY INNOVATION CO., LTD. Inventor LI JIN

The invention discloses a **biodegradable** thermoformed **cup**. The **biodegradable** thermoformed **cup** comprises the following components in parts by weight: 55 to 75 parts of polylactic acid cotton fibers, 1 to 10 parts of filler powder, 0.1 to 1 part of paraffin, 0.1 to 1 part of a coupling agent and 0.1 to 0.9 part of a compatilizer. The **biodegradable** thermoformed **cup** is easy strength is realized, the **cup** wall is not easy to deform, and the **cup** is **biodegradable** and pollution-free. The invention further provides a preparation method of the **biodegradable** thermoform

100 results

CN - 11.08.2020

10,000 results

onate, 1 to 10 parts of **cup** wall is thinner, high

2. **207107143 BIODEGRADABLE COATING PAPER CUP**

CN - 16.03.2018

Int.Class [B65D 3/06](#) [?] Appl.No 201720767387.2 Applicant CHONGQING TAIBAO PAPER PRODUCTS CO., LTD. Inventor XIAO NAN

The utility model provides a **biodegradable** coating paper **cup** relates to paper **cup** technical field to solve the slow technical problem of paper **cup** coating degradation speed who exists among the priorart. This **biodegradable** coating paper **cup**, including **cup** body and bottom of **cup**, the bottom of **cup** is connected **cup** body lower extreme, space between **cup** body and both internal surfaces of bottom of **cup** can hold liquid, the edge that the **cup** was held on one's body forms the opening, the **cup** body all includes substrate and **biodegradable** material coating with the bottom of **cup** separately. **biodegradable** material coating forms the internal surface of **cup** body and bottom of **cup**.

3. **216754132 BIODEGRADABLE ANTIBACTERIAL WATER CUP**

CN - 17.06.2022

Int.Class [A47G 19/22](#) [?] Appl.No 202123412046.9 Applicant AQUILARIA SINENSIS UNIVERSE ENVIRONMENTAL PROTECTION SCIENCE AND TECHNOLOGY LIMITED COMPANY Inventor LIU HUI

The utility model relates to a water **cup**, in particular to a **biodegradable** antibacterial water **cup**. According to the **biodegradable** antibacterial water **cup**, the handle can be unfolded and stored according to needs. The **biodegradable** antibacterial water **cup** comprises an outer **cup** body, an anti-skidding **cup** bottom, an inner **cup** body and the like, the bottom of the outer **cup** body is connected with the anti-skidding **cup** bottom, and the inner wall of the outer **cup** body is connected with the inner **cup** body. Heat insulation treatment is carried out on hot water through the heat insulation layer part, the supporting rod is held by hand to take up the water **cup**, the effect of preventing water with the too high temperature from scalding an operator can be achieved, the supporting rod can be stored, and therefore the supporting rod can be rotated out or folded up according to needs to take the water **cup**.

4. **20200231326 BIODEGRADABLE DRINKING CUP ASSEMBLY**

US - 23.07.2020

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EN_AB:("hearing aid" OR "hearing device" OR "hearing assisted"~21) OR FR_AB:("appareil auditif" OR "appareil de correction auditive" OR "dispositif auditif" OR "prothèses auditives" OR "audioprothèse"



26,267 results Offices all Languages en Stemming true Single Family Member false Include NPL false



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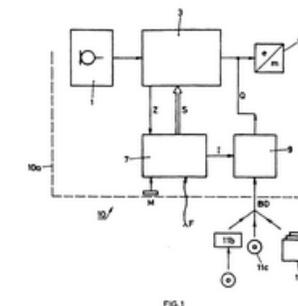
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1. [1354497](#) COMMUNICATION METHOD AND A HEARING AID SYSTEM

EP - 22.10.2003

Int.Class [H04R 25/00](#) Appl.No 01900363 Applicant PHONAK AG Inventor ROECK HANS-UELI

The aim of the invention is to increase attractiveness of [hearing aid](#) systems. User-defined sequences are inputted into a generator unit [9] on the [hearing aid](#). A respective acknowledgement signal [Q] is transmitted from the generator unit [9] to the electro/mechanical converter unit [5] of the [hearing aid](#) for acknowledging an action having been carried out on the [hearing aid](#).

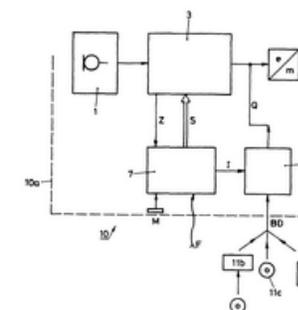


2. [WO/2001/030127](#) COMMUNICATION METHOD AND A HEARING AID SYSTEM

WO - 03.05.2001

Int.Class [H04R 25/00](#) Appl.No PCT/CH2001/000051 Applicant PHONAK AG Inventor ROECK, Hans-Ueli

The aim of the invention is to increase attractiveness of [hearing aid](#) systems. User-defined sequences are inputted into a generator unit [9] on the [hearing aid](#). A respective acknowledgement signal [Q] is transmitted from the generator unit [9] to the electro/mechanical converter unit [5] of the [hearing aid](#) for acknowledging an action having been carried out on the [hearing aid](#).



3. [WO/2023/057461](#) METHOD FOR OPERATING A HEARING AID SYSTEM

WO - 13.04.2023

Int.Class [H04R 25/00](#) Appl.No PCT/EP2022/077605 Applicant SIVANTOS PTE. LTD. Inventor SCHÖN, Sven

1. WO2011162765 - WEB PRESS AND A METHOD OF DUPLEX PRINTING



PCT Biblio. Data Description Claims Drawings National Phase Notices Documents

PermaLink

International Application Status

Date	Title	View	Download
12.08.2020	International Application Status Report	HTML , PDF , XML	PDF , XML

Published International Application

Date	Title	View	Download	
29.12.2011	Initial Publication with ISR[(A1 52/2011)]	PDF (34p.)	PDF (34p.) , ZIP(XML + TIFFs)	<input type="checkbox"/>

Search and Examination-Related Documents

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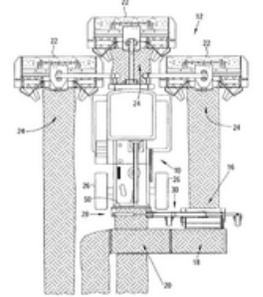
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**1. 20030024228 WINDROW MERGING ATTACHMENT**Int.Class [A01D 57/30](#) Appl.No 10209373 Applicant [Deere & Company](#) Inventor Franet Roger

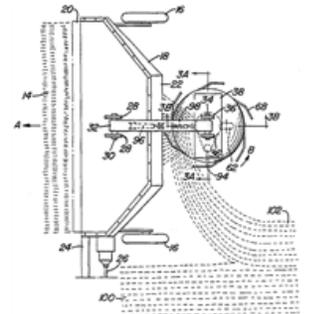
A [windrow](#) merging implement with a pick-up, a conveyor and a connecting hitch or structure is provided in combination with a mowing vehicle, with the connecting hitch being releasably secured to a rear end of the vehicle chassis. The mowing vehicle is operative to form [windrows](#) of crop in one or more of three locations, namely, a central location passing longitudinally between the wheels of the vehicle and one on each side of the vehicle. The [windrow](#) merging implement may be positioned at either side of the vehicle for picking up the [windrow](#) deposited there, and includes a conveyor structure for either depositing the picked up [windrow](#) upon or alongside the centrally deposited [windrow](#). Also disclosed is an embodiment where the [windrow](#) merging implement picks up and displaces transversely the centrally deposited [windrow](#). A further embodiment discloses two [windrow](#) merging implements which respectively pick up the [windrows](#) at the opposite sides of the vehicle and convey them inwardly so as to be combined with the centrally located [windrow](#).

US - 06.02.2003

**2. 4757672 MOWER CONDITIONER WITH DOUBLE WINDROWING ATTACHMENT**Int.Class [A01D 43/02](#) Appl.No 06461330 Applicant [Deere & Company](#) Inventor Roger Andre

To form a double [windrow](#) of a grass crop after it has been cut, a [windrow](#) grouper is mounted behind a mower conditioner unit. The [windrow](#) grouper has an upright rotating drum which is provided with crop-engaging tines, and is positioned to deflect the cut crop into the double [windrow](#) when the crop is still in flight from the mower conditioner unit and before it has any substantial contact with the ground. The [windrow](#) grouper is swung clear of the crop delivered by the mower conditioner unit to enable an initial [windrow](#) to be laid, and then is swung back into the flight path of the crop to form the double [windrow](#).

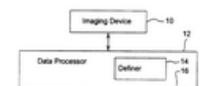
US - 19.07.1988

**3. 2006202756 METHOD AND SYSTEM FOR VEHICULAR GUIDANCE WITH RESPECT TO HARVESTED CROP**Int.Class [G05D 1/02](#) Appl.No 2006202756 Applicant [Deere & Company](#) Inventor Han, Shufeng

A discriminator identifies [windrow](#) pixels associated with a [windrow](#) within a collected image. A definer defines a search space with respect to a vehicle. An evaluator determines respective spatial correlations between the defined search space and the [windrow](#) pixels for different angular displacements of the search space. An alignment detector or search engine determining a desired vehicular heading as a preferential angular displacement associated with a generally maximum spatial correlation between the defined search space and the [windrow](#) pixels. An offset calculator estimates an offset of the vehicle to a central point of

AU - 13.07.2006

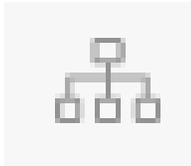
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INA:"electric car" --> 2
RPA:"electric car" --> 0
ICS:electric car --> 0
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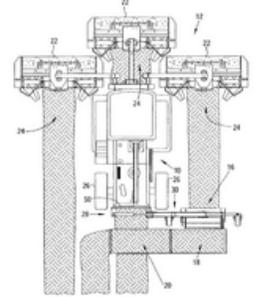
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Electric car	FP:(EN_TI:"electric car")	All	Relevance	<input type="checkbox"/>	<input type="checkbox"/>	1	10	<input checked="" type="checkbox"/>	 
Wind turbine	EN_AB:"wind turbine"	All	Relevance	<input type="checkbox"/>	<input type="checkbox"/>	1	10	<input checked="" type="checkbox"/>	 
Magnetic chip	EN_AB:"magnetic chip"	All	Relevance	<input type="checkbox"/>	<input type="checkbox"/>	1	10	<input checked="" type="checkbox"/>	 
green energy	EN_TI:((((windturbine OR ((eolic OR eolian OR aeolian OR wind OR windmill) NEAR2 (turbine OR power OR generator))) NEAR500 (HAWT OR (horizontal NEAR2 (axle OR shaft OR axes OR axis)))) AND ((armature^5 OR rotor^5 OR rotor^20 OR helix^5 OR "helical member"^5) OR (aerofoil^5 OR vane^5 OR fins^5 OR paddles^5 OR airfoils^5 OR blade^5)))) OR EN_AB:((((windturbine OR ((eolic OR eolian OR aeolian OR wind OR windmill) NEAR2 (turbine OR power OR generator))) NEAR500 (HAWT OR (horizontal NEAR2 (axle OR shaft OR axes OR axis)))) AND ((armature^5 OR rotor^5 OR rotor^20 OR helix^5 OR "helical member"^5) OR (aerofoil^5 OR vane^5 OR fins^5 OR paddles^5 OR airfoils^5 OR blade^5))))	All	Relevance	<input type="checkbox"/>	<input type="checkbox"/>	1	10	<input checked="" type="checkbox"/>	 
1	EN_ALL:"human space flight" OR "manned space flight" OR "crewed space flight" OR "human spaceflight" OR "manned spaceflight" OR "crewed spaceflight"	All	Relevance	<input type="checkbox"/>	<input type="checkbox"/>	1	10	<input checked="" type="checkbox"/>	 
chem search	CHEM:(BNRNXXUZRQQAQC-UHFFFAOYSA-N)	WO	Relevance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	10	<input type="checkbox"/>	 
bicycle	en_ab:bicycle	All	Pub Date Desc	<input type="checkbox"/>	<input type="checkbox"/>	1	10	<input type="checkbox"/>	 
cat	ALLTXT:(cat) AND IC: ("A23K 50/40" OR "B62B 9/14" OR "A63H 13/02" OR "B32B" OR "B65D")	All	Relevance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2	10	<input type="checkbox"/>	 
bici	FP:(electric bicycle)	All	Relevance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	10	<input checked="" type="checkbox"/>	 
bici	FP:(biodegradable capsule)	All	Relevance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	10	<input checked="" type="checkbox"/>	 

**1. 20030024228 WINDROW MERGING ATTACHMENT**Int.Class [A01D 57/30](#) Appl.No 10209373 Applicant [Deere & Company](#) Inventor Franet Roger

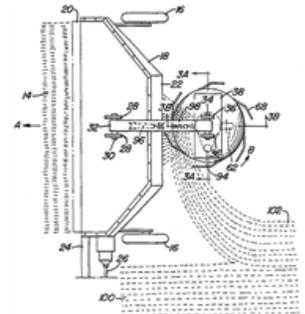
A [windrow](#) merging implement with a pick-up, a conveyor and a connecting hitch or structure is provided in combination with a mowing vehicle, with the connecting hitch being releasably secured to a rear end of the vehicle chassis. The mowing vehicle is operative to form [windrows](#) of crop in one or more of three locations, namely, a central location passing longitudinally between the wheels of the vehicle and one on each side of the vehicle. The [windrow](#) merging implement may be positioned at either side of the vehicle for picking up the [windrow](#) deposited there, and includes a conveyor structure for either depositing the picked up [windrow](#) upon or alongside the centrally deposited [windrow](#). Also disclosed is an embodiment where the [windrow](#) merging implement picks up and displaces transversely the centrally deposited [windrow](#). A further embodiment discloses two [windrow](#) merging implements which respectively pick up the [windrows](#) at the opposite sides of the vehicle and convey them inwardly so as to be combined with the centrally located [windrow](#).

US - 06.02.2003

**2. 4757672 MOWER CONDITIONER WITH DOUBLE WINDROWING ATTACHMENT**Int.Class [A01D 43/02](#) Appl.No 06461330 Applicant [Deere & Company](#) Inventor Roger Andre

To form a double [windrow](#) of a grass crop after it has been cut, a [windrow](#) grouper is mounted behind a mower conditioner unit. The [windrow](#) grouper has an upright rotating drum which is provided with crop-engaging tines, and is positioned to deflect the cut crop into the double [windrow](#) when the crop is still in flight from the mower conditioner unit and before it has any substantial contact with the ground. The [windrow](#) grouper is swung clear of the crop delivered by the mower conditioner unit to enable an initial [windrow](#) to be laid, and then is swung back into the flight path of the crop to form the double [windrow](#).

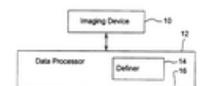
US - 19.07.1988

**3. 2006202756 METHOD AND SYSTEM FOR VEHICULAR GUIDANCE WITH RESPECT TO HARVESTED CROP**Int.Class [G05D 1/02](#) Appl.No 2006202756 Applicant [Deere & Company](#) Inventor Han, Shufeng

A discriminator identifies [windrow](#) pixels associated with a [windrow](#) within a collected image. A definer defines a search space with respect to a vehicle. An evaluator determines respective spatial correlations between the defined search space and the [windrow](#) pixels for different angular displacements of the search space. An alignment detector or search engine determining a desired vehicular heading as a preferential angular displacement associated with a generally maximum spatial correlation between the defined search space and the [windrow](#) pixels. An offset calculator estimates an offset of the vehicle to a central point of

AU - 13.07.2006

1/10



ANALYSIS

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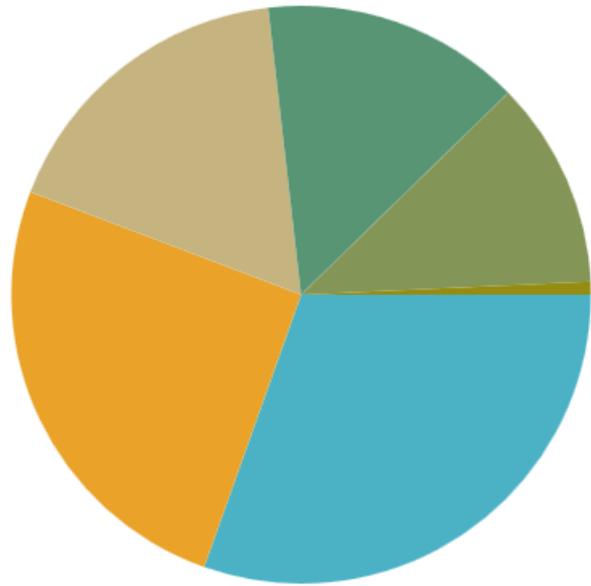
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United States of America	69	United States of America	69	DEERE AND COMPANY	84	A01D	105	a01d 41/1243	19	1973	2	A	42
European Patent Office	29	European Patent Office	29	DEERE AND CO	30	A01F	39	a01d 43/102	15	1974	3	B2	35
Canada	23	Canada	23	DEERE AND; COMPANY	10	A01B	21	a01d 57/20	14	1975	5	A1	24
Australia	6	Australia	6	DEERE + COMPANY	9	G05D	6	a01d 41/127	13	1976	1	B1	20
United Kingdom	5	United Kingdom	5	JOHN DEERE [SA]	5	B62D	5	a01f 12/40	11	1977	2	C	16
New Zealand	4	New Zealand	4	BEBERNES THOMAS DARYL	1	B60B	2	a01d 89/008	10	1978	0	B	1
China	2	China	2	HAN SHUFENG	1	B60K	2	g05d 2201/0201	9	1979	1		
				KUHN SA	1	B61D	2	y10s 56/01	9	1980	3		
				ROVIRA MAS FRANCISCO	1	F01P	2	a01d 34/66	8	1981	0		
				WEI JIANTAO	1	G06F	2	a01d 43/10	8	1982	4		
						B01D	1	a01d 57/26	8	1983	1		
						B30B	1	a01d 57/28	8	1984	3		
						B60D	1	a01b 69/008	7	1985	0		
						B60W	1	a01d 82/00	7	1986	2		
						B62B	1	a01b 69/001	6	1987	1		
						B65G	1	a01d 41/14	6	1988	2		
						F16C	1	a01f 15/0883	6	1989	0		
						F16F	1	a01f 15/106	6	1990	3		
						F28F	1	a01b 79/005	5	1991	3		
						F28G	1	a01d 43/077	5	1992	0		
						G05B	1	a01d 61/008	5	1993	0		
						G05C	1	a01d 89/00	5	1994	1		

ANALYSIS

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Filters Charts Timeseries

Bar Chart Pie Chart Countries Offices Applicants IPC code CPC code Publication Dates Kind code



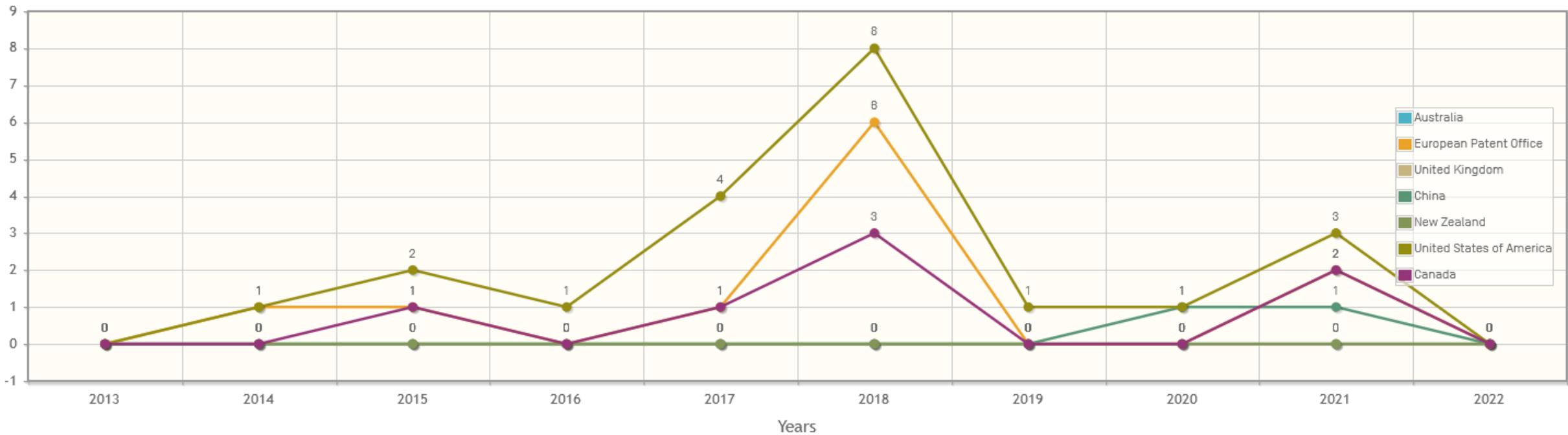
- A
- B2
- A1
- B1
- C
- B

ANALYSIS

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Countries Offices Applicants IPC code CPC code Kind code



SETTINGS

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Query Office **Result** Download Interface Others

Result List Language
Query Language

Analysis tab open

Analysis type
Table

Analysis graph
pie

No of Items/Group
50

Group by *

Countries

Offices

Applicants

Inventors

IPC code

CPC code

Publication Dates

Filing Dates

Kind code

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Countries		Offices		Applicants		IPC code		CPC code		Publication Dates		Kind code	
United States of America	69	United States of America	69	DEERE AND COMPANY	84	A01D	105	a01d 41/1243	19	1973	2	A	42
European Patent Office	29	European Patent Office	29	DEERE AND CO	30	A01F	39	a01d 43/102	15	1974	3	B2	35
Canada	23	Canada	23	DEERE AND; COMPANY	10	A01B	21	a01d 57/20	14	1975	5	A1	24
Australia	6	Australia	6	DEERE + COMPANY	9	G05D	6	a01d 41/127	13	1976	1	B1	20
United Kingdom	5	United Kingdom	5	JOHN DEERE [SA]	5	B62D	5	a01f 12/40	11	1977	2	C	16
New Zealand	4	New Zealand	4	BEBERNES THOMAS DARYL	1	B60B	2	a01d 89/008	10	1978	0	B	1
China	2	China	2	HAN SHUFENG	1	B60K	2	g05d 2201/0201	9	1979	1		
				KUHN SA	1	B61D	2	y10s 56/01	9	1980	3		
				ROVIRA MAS FRANCISCO	1	F01P	2	a01d 34/66	8	1981	0		
				WEI JIANTAO	1	G06F	2	a01d 43/10	8	1982	4		
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ANALYSIS

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Countries	Offices	Applicants	IPC code	CPC code	Publication Dates	Kind code
China 2	China 2	DEERE AND COMPANY 2	A01D 2 A01F 1	a01d 41/1243 2 a01d 41/02 1 a01d 41/12 1 a01d 82/00 1 a01f 12/40 1 a01f 29/04 1	2020 1 2021 1	A 2

✕ PUBLICATION_KIND=A

✕ COUNTRY=CN

EN_AB:("windrower") AND PA: deere

138 results Offices all Languages all Stemming true Single Family Member false Include NPL false

Sort: Releva

REFINE OPTIONS

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Search

Offices

All

Languages

All

Stemming

Single Family Member

Include NPL

1. **2003**

Int.Class

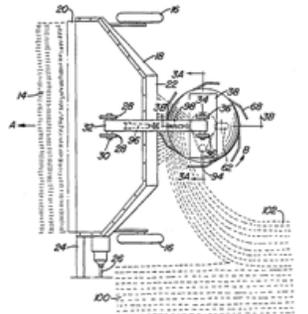
A windrower is a vehicle that can be used on the side of the road to windrow an embodiment of a windrower.

6.02.2003

2. **4757672** MOWER CONDITIONER WITH DOUBLE WINDROWING ATTACHMENT

Int.Class [A01D 43/02](#) ? Appl.No 06461330 Applicant [Deere & Company](#) Inventor Roger Andre

To form a double windrow of a grass crop after it has been cut, a windrow grouper is mounted behind a mower conditioner unit. The windrow grouper has an upright rotating drum which is provided with crop-engaging tines, and is positioned to deflect the cut crop into the double windrow when the crop is still in flight from the mower conditioner unit and before it has any substantial contact with the ground. The windrow grouper is swung clear of the crop delivered by the mower conditioner unit to enable an initial windrow to be laid, and then is swung back into the flight path of the crop to form the double windrow.



US - 19.07.1988

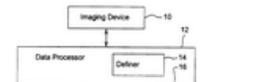
3. **2006202756** METHOD AND SYSTEM FOR VEHICULAR GUIDANCE WITH RESPECT TO HARVESTED CROP

Int.Class [G05D 1/02](#) ? Appl.No 2006202756 Applicant [Deere & Company](#) Inventor Han, Shufeng

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AU - 13.07.2006

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- Estonia
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- Cuba
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- Philippines
- Viet Nam

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Languages

All

Stemming

Single Family Member

Include NPL

Languages

All

All

Arabic

Bulgarian

Chinese

Czech

Danish

Dutch

English

Estonian

Finnish

French

Georgian

German

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Khmer

Stemming

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All



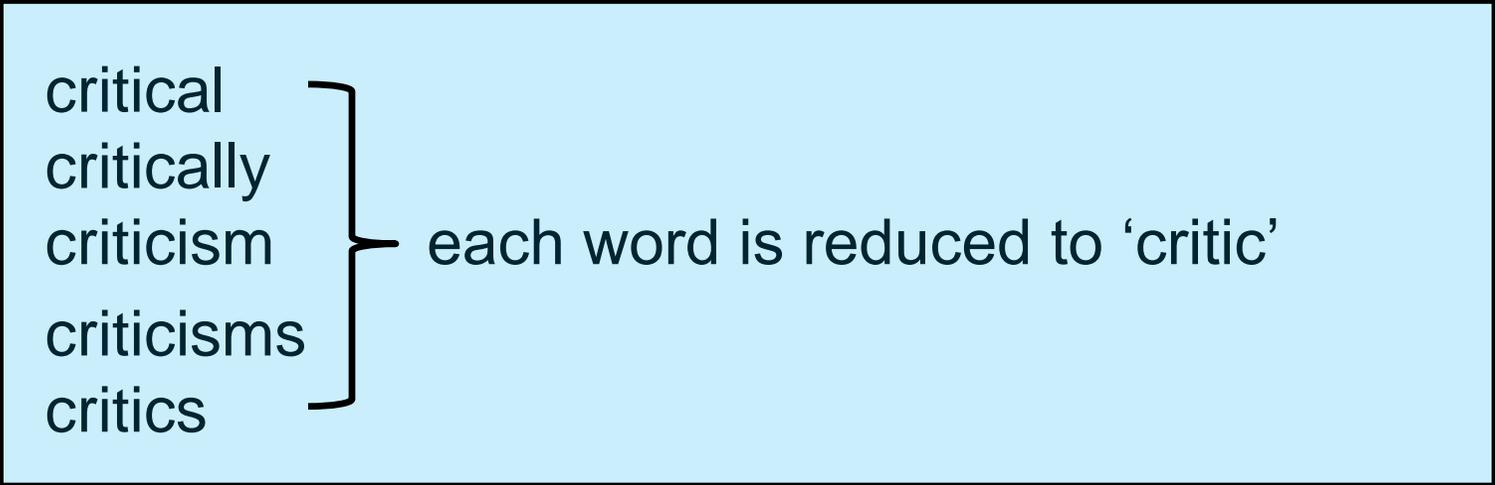
Stemming

Single Family Member

Include NPL

Stemming

- Stem = stemming
- Process that removes common endings from words.



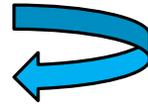
A light blue rectangular box with a black border contains a list of words on the left and a descriptive text on the right. The words are: critical, critically, criticism, criticisms, and critics. A large right-facing curly bracket groups these words. To the right of the bracket, the text reads: 'each word is reduced to 'critic''.

critical
critically
criticism
criticisms
critics

each word is reduced to 'critic'

Stemming

- no dictionary includes the necessary technical terms to express patent concepts



- Porter Stemming Algorithm finds words that contain common roots
- Save time and effort

WILDCARD VS STEMMING

This page shows the different result a wildcard matches as opposed to using the stemming option

Enter a word

|



Compare to

Stemming

No records found.

Wildcard *

No records found.

Enter a word
electric

Compare to

Stemming electric

Wildcard electric*

electric
electrical
electrically
electricity
electrics
electricly
electrization
electr

electric
electrical
electrically
electricity
electrician
electricelectric
electrico
electrica
electrics
electricians
electricly
electricos
electricas
electricamente
electricity



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Single Family Member false Include NPL false

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Patent families

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Languages

All



Stemming

Single Family Member

Include NPL

EN_AB:("windrower") AND PA: deere



138 results Offices all Languages all Stemming true Single Family Member false Include NPL false



Sort: Relevance Per page: 100 View: All+Image

< 1/2 >

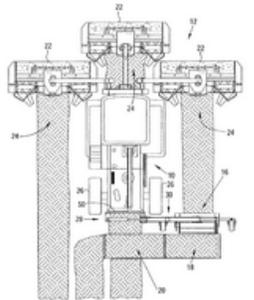
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1. [20030024228](#) WINDROW MERGING ATTACHMENT

Int.Class [A01D 57/30](#) Appl.No 10209373 Applicant [Deere & Company](#) Inventor Franet Roger

A [windrow](#) merging implement with a pick-up, a conveyor and a connecting hitch or structure is provided in combination with a mowing vehicle, with the connecting hitch being releasably secured to a rear end of the vehicle chassis. The mowing vehicle is operative to form [windrows](#) of crop in one or more of three locations, namely, a central location passing longitudinally between the wheels of the vehicle and one on each side of the vehicle. The [windrow](#) merging implement may be positioned at either side of the vehicle for picking up the [windrow](#) deposited there, and includes a conveyor structure for either depositing the picked up [windrow](#) upon or alongside the centrally deposited [windrow](#). Also disclosed is an embodiment where the [windrow](#) merging implement picks up and displaces transversely the centrally deposited [windrow](#). A further embodiment discloses two [windrow](#) merging implements which respectively pick up the [windrows](#) at the opposite sides of the vehicle and convey them inwardly so as to be combined with the centrally located [windrow](#).

US - 06.02.2003

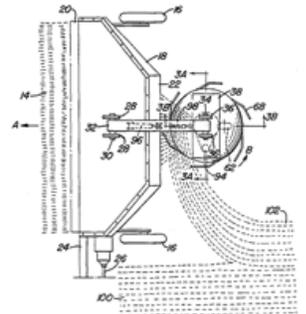


2. [4757672](#) MOWER CONDITIONER WITH DOUBLE WINDROWING ATTACHMENT

Int.Class [A01D 43/02](#) Appl.No 06461330 Applicant [Deere & Company](#) Inventor Roger Andre

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US - 19.07.1988



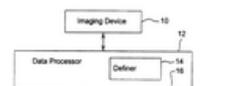
3. [2006202756](#) METHOD AND SYSTEM FOR VEHICULAR GUIDANCE WITH RESPECT TO HARVESTED CROP

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AU - 13.07.2006

1/10



EN_AB:windrower AND PA:deere



99 results

Offices all

Languages all

Stemming true

Single Family Member true

Include NPL false



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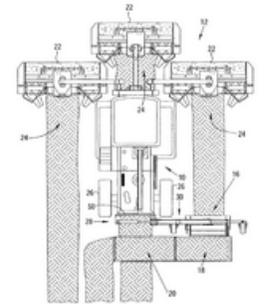
Machine translation ▼

1. [20030024228](#) WINDROW MERGING ATTACHMENT

Int.Class [A01D 57/30](#) Appl.No 10209373 Applicant [Deere & Company](#) Inventor Franet Roger

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US - 06.02.2003

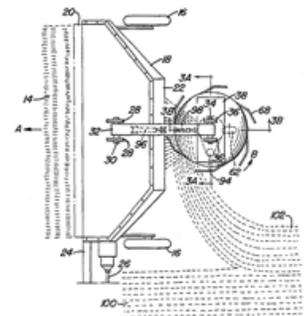


2. [4757672](#) MOWER CONDITIONER WITH DOUBLE WINDROWING ATTACHMENT

Int.Class [A01D 43/02](#) Appl.No 06461330 Applicant [Deere & Company](#) Inventor Roger Andre

To form a double [windrow](#) of a grass crop after it has been cut, a [windrow](#) grouper is mounted behind a mower conditioner unit. The [windrow](#) grouper has an upright rotating drum which is provided with crop-engaging tines, and is positioned to deflect the cut crop into the double [windrow](#) when the crop is still in flight from the mower conditioner unit and before it has any substantial contact with the ground. The [windrow](#) grouper is swung clear of the crop delivered by the mower conditioner unit to enable an initial [windrow](#) to be laid, and then is swung back into the flight path of the crop to form the double [windrow](#).

US - 19.07.1988



Non-Patent Literature (NPL)

REFINE OPTIONS

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Search

Offices

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Languages

All



Stemming

Single Family Member

Include NPL

EN_ALLTX:spectroscopy



637,258 results Offices all Languages all Stemming true Single Family Member false Include NPL false



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1 / 6,373

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1. **6476263** COMPOUNDS FOR INHIBITING B-AMYLOID PEPTIDE RELEASE AND/OR ITS SYNTHESIS

US - 05.11.2002

Int.Class [C07C 233/00](#) Appl.No 09826412 Applicant Elan Pharmaceuticals, Inc. Inventor Wu, Jing

Disclosed are compounds which inhibit β -amyloid peptide release and/or its synthesis, and, accordingly, have utility in treating Alzheimer's disease. Also disclosed are pharmaceutical compositions comprising a compound which inhibits β -amyloid peptide release and/or its synthesis.



2. **20020068741** CYCLOALKYL, LACTAM, LACTONE AND RELATED COMPOUNDS, PHARMACEUTICAL COMPOSITIONS COMPRISING SAME, AND METHODS FOR INHIBITING BETA-AMYLOID PEPTIDE RELEASE AND/OR ITS SYNTHESIS BY USE OF SUCH COMPOUNDS

US - 06.06.2002

Int.Class [A61K 31/502](#) Appl.No 09915263 Applicant WU JING Inventor Wu Jing

Disclosed are compounds which inhibit β -amyloid peptide release and/or its synthesis, and, accordingly, have utility in treating Alzheimer's disease. Also disclosed are pharmaceutical compositions comprising a compound which inhibits β -amyloid peptide release and/or its synthesis as well as methods for treating Alzheimer's disease both prophylactically and therapeutically with such pharmaceutical compositions.



3. **6653303** CYCLOALKYL, LACTAM, LACTONE AND RELATED COMPOUNDS, PHARMACEUTICAL COMPOSITIONS COMPRISING SAME, AND METHODS FOR INHIBITING B-AMYLOID PEPTIDE RELEASE AND/OR ITS SYNTHESIS BY USE OF SUCH COMPOUNDS

US - 25.11.2003

Int.Class [C07D 487/00](#) Appl.No 10336824 Applicant Athena Neurosciences, Inc. Inventor Wu, Jing

Disclosed are compounds which inhibit β -amyloid peptide release and/or its synthesis, and, accordingly, have utility in treating Alzheimer's disease. Also disclosed are pharmaceutical compositions comprising a compound which inhibits β -amyloid peptide release and/or its synthesis as well as methods for treating Alzheimer's disease both prophylactically and therapeutically with such pharmaceutical compositions.



EN_ALLTXT:spectroscopy



710,426 results Offices all Languages all Stemming true Single Family Member false

Include NPL true



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< 1 / 7,105 >

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1. **6476263** COMPOUNDS FOR INHIBITING B-AMYLOID PEPTIDE RELEASE AND/OR ITS SYNTHESIS

US - 05.11.2002

Int.Class [C07C 233/00](#) ⓘ Appl.No 09826412 Applicant Elan Pharmaceuticals, Inc. Inventor Wu, Jing

Disclosed are compounds which inhibit β -amyloid peptide release and/or its synthesis, and, accordingly, have utility in treating Alzheimer's disease. Also disclosed are pharmaceutical compositions comprising a compound which inhibits β -amyloid peptide release and/or its synthesis.



2. **20020068741** CYCLOALKYL, LACTAM, LACTONE AND RELATED COMPOUNDS, PHARMACEUTICAL COMPOSITIONS COMPRISING SAME, AND METHODS FOR INHIBITING BETA-AMYLOID PEPTIDE RELEASE AND/OR ITS SYNTHESIS BY USE OF SUCH COMPOUNDS

US - 06.06.2002

Int.Class [A61K 31/502](#) ⓘ Appl.No 09915263 Applicant WU JING Inventor Wu Jing

Disclosed are compounds which inhibit β -amyloid peptide release and/or its synthesis, and, accordingly, have utility in treating Alzheimer's disease. Also disclosed are pharmaceutical compositions comprising a compound which inhibits β -amyloid peptide release and/or its synthesis as well as methods for treating Alzheimer's disease both prophylactically and therapeutically with such pharmaceutical compositions.



3. **6653303** CYCLOALKYL, LACTAM, LACTONE AND RELATED COMPOUNDS, PHARMACEUTICAL COMPOSITIONS COMPRISING SAME, AND METHODS FOR INHIBITING B-AMYLOID PEPTIDE RELEASE AND/OR ITS SYNTHESIS BY USE OF SUCH COMPOUNDS

US - 25.11.2003

Int.Class [C07D 487/00](#) ⓘ Appl.No 10336824 Applicant Athena Neurosciences, Inc. Inventor Wu, Jing

Disclosed are compounds which inhibit β -amyloid peptide release and/or its synthesis, and, accordingly, have utility in treating Alzheimer's disease. Also disclosed are pharmaceutical compositions comprising a compound which inhibits β -amyloid peptide release and/or its synthesis as well as methods for treating Alzheimer's disease both prophylactically and therapeutically with such pharmaceutical compositions.





ANALYSIS

Close

Filters Charts Timeseries

Countries		Offices		Applicants		IPC code		CPC code		Publication Dates		Kind code	
United States of America	280,909	United States of America	332,222	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	6,554	A61K	188,891	a61k	34,300	1973	279	A	204,234
PCT	127,755	PCT	127,755	SEMICONDUCTOR ENERGY LABORATORY CO LTD	5,168	G01N	124,234	a61p	31,274	1974	299	A1	158,485
European Patent Office	75,901	European Patent Office	83,912	DOW GLOBAL TECH LLC	4,096	C07D	89,096	a61p 35/00	28,366	1975	306	B2	149,104
Non-Patent Literature	73,168	Canada	78,758	NOVARTIS AG	3,288	A61P	71,643	g01n	24,642	1976	877	NPL	73,168
Canada	55,284	China	42,550	MASSACHUSETTS INSTITUTE OF TECH	3,526	C07K	63,878	a61p 43/00	24,168	1977	909	B1	66,920
Australia	38,198	Australia	38,303	BOREALIS AG	2,766	C12N	56,699	c07d	18,065	1978	1,080	B	21,516
India	20,396	India	33,076	BRISTOL MYERS SQUIBB COMPANY	2,408	H01L	45,869	a61p 29/00	15,586	1979	1,149	C	18,886
United Kingdom	8,504	Republic of Korea	26,859	3M INNOVATIVE PROPERTIES COMPANY	2,821	C12Q	42,519	c07k	15,078	1980	1,450	A4	7,222
China	7,035	Brazil	12,918	BRISTOL MYERS SQUIBB COMPANY	2,408	C07C	39,529	a61k 45/06	14,986	1981	1,656	A3	4,858
Japan	4,947	New Zealand	12,721	BOREALIS AG	2,766	B01J	35,745	a61p 25/00	13,879	1982	1,363	C1	1,150
Israel	4,180	Israel	11,439	BOREALIS AG	2,766	C08L	29,866	a61k 38/00	12,911	1983	1,543	A2	1,010
New Zealand	3,706	Japan	10,873	BOREALIS AG	2,766	C08F	29,849	c12n	11,190	1984	1,671	B8	777
		Mexico	10,859	BOREALIS AG	2,766	C08G	29,120	a61p 9/00	10,907	1985	1,783	U	654
				BOREALIS AG	2,766	A61B	28,666	a61p 25/28	10,645	1986	1,877	B9	517

EN_ALLTXT:spectroscopy AND PU:MDPI



55,098 results Offices all Languages all Stemming true Single Family Member false Include NPL true



X PUBLICATION_KIND=NPL

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1. [10.3390/IJMS23126834](#) DESIGN AND DEVELOPMENT OF A BIMODAL OPTICAL INSTRUMENT FOR SIMULTANEOUS VIBRATIONAL SPECTROSCOPY MEASUREMENTS

NPL - 20.06.2022

Int.Class [G01N 21/65](#) Publisher [MDPI](#) Journal International Journal of Molecular Sciences

Vibrational spectroscopy techniques are widely used in analytical chemistry, physics and biology. The most prominent techniques are Raman and Fourier-transform infrared spectroscopy (FTIR). Combining both techniques delivers complementary information of the test sample. We present the design, construction, and calibration of a novel bimodal spectroscopy system featuring both Raman and infrared measurements simultaneously on the same sample without mutual interference. The optomechanical design provides a modular flexible system for solid and liquid samples and different configurations for Raman. As a novel feature, the Raman module can be operated off-axis for optical sectioning. The calibrated system demonstrates high sensitivity, precision, and resolution for simultaneous operation of both techniques and shows excellent calibration curves with coefficients of determination greater than 0.96. We demonstrate the ability to simultaneously measure Raman and infrared spectra of complex biological material using bovine serum albumin. The performance competes with commercial systems; moreover, it presents the additional advantage of simultaneously operating Raman and infrared techniques. To the best of our knowledge, it is the first demonstration of a combined Raman-infrared system that can analyze the same sample volume and obtain optically sectioned Raman signals. Additionally, quantitative comparison of confocality of backscattering micro-Raman and off-axis Raman was performed for the first time.

NO
IMAGE
AVAILABLE

2. [10.3390/IJMS23073975](#) PHOTODEGRADATION OF AZATHIOPRINE IN THE PRESENCE OF SODIUM THIOSULFATE

NPL - 02.04.2022

Int.Class [H01J 49/04](#) Publisher [MDPI](#) Journal International Journal of Molecular Sciences

The effect of sodium thiosulfate (ST) on the photodegradation of azathioprine (AZA) was analyzed by UV-VIS spectroscopy, photoluminescence (PL), FTIR spectroscopy, Raman scattering, X-ray photoelectron (XPS) spectroscopy, thermogravimetry (TG) and mass spectrometry (MS). The PL studies highlighted that as the ST concentration increased from 25 wt.% to 75 wt.% in the AZA:ST mixture, the emission band of AZA gradual downshifted to 553, 542 and 530 nm. The photodegradation process of AZA:ST induced: (i) the emergence of a new band in the 320–400 nm range in the UV-VIS spectra of AZA and (ii) a change in the intensity ratio of the photoluminescence excitation (PLE) bands in the 280–335 and 335–430 nm spectral ranges. These changes suggest the emergence of new compounds during the photo-oxidation reaction of AZA with ST. The invoked photodegradation compounds were confirmed by studies of the Raman scattering, the FTIR spectroscopy and XPS spectroscopy through: (i) the downshift of the IR band of AZA from 1336 cm⁻¹ to 1331 cm⁻¹, attributed to N-C-N deformation in the purine ring; (ii) the change in the intensity ratio of the Raman lines peaking at 1305 cm⁻¹ and 1330 cm⁻¹ from 3.45 to 4.57, as the weight of ST in the AZA:ST mixture mass increased; and (iii) the emergence of a new band in the XPS O1s spectrum peaking at 531 eV, which was associated with the C=O bond. Through correlated studies of TG-MS, the main key fragments of ST-reacted AZA are reported.

NO
IMAGE
AVAILABLE

3. [10.3390/COATINGS12020108](#) STRATEGIES TO IMPROVE THE BARRIER AND MECHANICAL PROPERTIES OF PECTIN FILMS FOR FOOD PACKAGING: COMPARING NANOCOMPOSITES WITH BILAYERS

NPL - 18.01.2022

Int.Class [C08J 5/18](#) Publisher [MDPI](#) Journal Coatings

NO

1. NPL367070894 - DESIGN AND DEVELOPMENT OF A BIMODAL OPTICAL INSTRUMENT FOR SIMULTANEOUS VIBRATIONAL SPECTROSCOPY MEASUREMENTS

NPL Biblio. Data Description

PermaLink

Machine translation ▾

Publisher

MDPI

Journal

International Journal of Molecular Sciences

Publication Number

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Publication Date

20.06.2022

IPC

G01N 21/65 G01J 3/02 G01J 3/453
G01J 3/44 G01J 3/433

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Title

[EN] Design and Development of a Bimodal Optical Instrument for Simultaneous Vibrational Spectroscopy Measurements

Abstract

[EN] Vibrational spectroscopy techniques are widely used in analytical chemistry, physics and biology. The most prominent techniques are Raman and Fourier-transform infrared spectroscopy (FTIR). Combining both techniques delivers complementary information of the test sample. We present the design, construction, and calibration of a novel bimodal spectroscopy system featuring both Raman and infrared measurements simultaneously on the same sample without mutual interference. The optomechanical design provides a modular flexible system for solid and liquid samples and different configurations for Raman. As a novel feature, the Raman module can be operated off-axis for optical sectioning. The calibrated system demonstrates high sensitivity, precision, and resolution for simultaneous operation of both techniques and shows excellent calibration curves with coefficients of determination greater than 0.96. We demonstrate the ability to simultaneously measure Raman and infrared spectra of complex biological material using bovine serum albumin. The performance competes with commercial systems; moreover, it presents the additional advantage of simultaneously operating Raman and infrared techniques. To the best of our knowledge, it is the first demonstration of a combined Raman-infrared system that can analyze the same sample volume and obtain optically sectioned Raman signals. Additionally, quantitative comparison of confocality of backscattering micro-Raman and off-axis Raman was performed for the first time.

Link

<http://www.mdpi.com/1422-0067/23/12/6834/htm>

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EN_AB:("windrower") OR FR_AB:("andaineuse" OR "andainage" OR "andaineur") OR DE_AB:("Schwadleger" OR "Schwader" OR "Schwadenziehen") OR ES_AB:("acordonadora" OR "hilerado" OR "máq



11,683 results Offices all Languages all Stemming true Single Family Member false Include NPL false



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1. [WO/2018/184886](#) METHOD FOR CONTROLLING AN AGRICULTURAL MACHINE WHEN WINDROWING A CROP AND AN ARRANGEMENT HAVING AN AGRICULTURAL MACHINE

WO - 11.10.2018

Int.Class [A01D 78/10](#) Appl.No PCT/EP2018/057620 Applicant KVERNELAND GROUP KERTEMINDE AS Inventor PAULI, Marco

The invention relates to a method for controlling an agricultural machine when **windrowing** a crop on a usable agricultural area, comprising: making available an agricultural machine with a **windrowing** rake [1], in which a combination of raking devices [4, 5] is arranged on a supporting frame [3], said raking devices [4, 5] being configured to **windrow** a crop on a usable agricultural area: moving the agricultural machine with the **windrowing** rake [1] on the usable agricultural area, in order to **windrow** the crop: and controlling the raking devices [4, 5] during the **windrowing** operation by means of control signals generated by a control device of the agricultural machine, wherein in this context the raking devices [4, 5] are controlled in accordance with a first operating mode to **windrow** a first section of a **windrow** of the crop with a first **windrow** width if the agricultural machine with the **windrowing** rake [1] is moving along an essentially straight driving section; and the raking devices [4, 5] are controlled in accordance with the second operating mode to **windrow** a second section of the **windrow** with a second **windrow** width which is smaller than the first **windrow** width if the agricultural machine with the **windrowing** rake [1] is moving along a curved driving section. Furthermore, an arrangement having an agricultural machine for **windrowing** a crop on a usable agricultural area is provided.

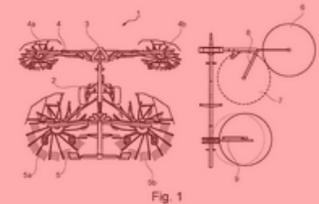


Fig. 1

2. [WO/2018/184857](#) METHOD FOR CONTROLLING AN AGRICULTURAL MACHINE WHEN WINDROWING A CROP ON A USABLE AGRICULTURAL AREA AND AGRICULTURAL MACHINE

WO - 11.10.2018

Int.Class [A01D 78/10](#) Appl.No PCT/EP2018/057311 Applicant KVERNELAND GROUP KERTEMINDE AS Inventor PAULI, Marco

The invention relates to a method for controlling an agricultural machine when **windrowing** a crop on a usable agricultural area, comprising: making available an agricultural machine with a **windrowing** rake [1], in which a combination of raking devices [4a, 4b, 5a, 5b] is arranged on a supporting frame [3], said raking devices [4a, 4b, 5a, 5b] being configured to **windrow** a crop on a usable agricultural area; moving the agricultural machine with the **windrowing** rake [1] on the usable agricultural area, in order to **windrow** the crop: repeated determination of machine position data for the agricultural machine by means of a position-determining system while the agricultural machine is being moved on the usable agricultural area, wherein the machine position data indicate an instantaneous position of the agricultural machine on the usable agricultural area; making available electronic location information, wherein the electronic location information comprises position information which indicates a distribution of the crop to be **windrowed** along a non-linear line in a part of the usable agricultural area; and controlling the raking devices [4a, 4b, 5a, 5b] by means of control signals which are generated by a control device, if during data processing of the machine position data and of the position information by means of the control device it is determined that the crop is being **windrowed** in the part of the usable agricultural area such that a working position of one or more raking devices [4a, 4b, 5a, 5b] is set and changed as a function of the position in order to **windrow** the crop which is distributed along the non-linear line into a **windrow** which is produced so as to run along a straight **windrowing** line, wherein during the position-dependent setting and changing of the working position the one or more raking devices [4a, 4b, 5a, 5b] is/are moved between a raised non-working position and a lowered working position and/or is/are moved with respect to the supporting frame [3], between a proximal and a distal working position. Furthermore, an arrangement with an agricultural machine for **windrowing** a crop on a usable agricultural area is provided.

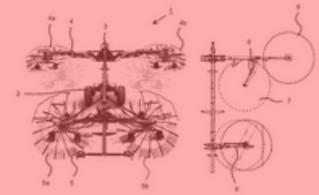


Fig. 1

3. [0002719182](#) WIND FARM WITH MULTIPLE CUTTERS

RU - 17.04.2020

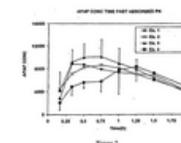
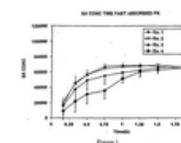
Int.Class [A01D 34/24](#) Appl.No 2016135757 Applicant Inventor ПОТОУЛ Дэвид В. [US]

1. **1807068** COMPOSITION COMPRISING ACETAMINOPHEN, CAFFEINE AND ASPIRIN TOGETHER WITH AN ALKILINE AGENT FR ENHANCED ABSORPTION

EP - 18.07.2007

Int.Class [A61K 31/167](#) Appl.No 05821186 Applicant [NOVARTIS AG](#) Inventor LIU RONG

The onset of activity of a first analgesic/antipyretic composition containing an analgesic/antipyretic effective amount of acetaminophen, caffeine and, optionally, aspirin is shortened by incorporating in the first composition an onset of analgesic/antipyretic activity shortening amount of at least one alkaline agent whereby a second composition is produced. The second composition being bioequivalent to the first composition but having a shorter onset of analgesic/antipyretic activity than the first composition.

2. **1714651** USE OF ANGIOTENSIN II RECEPTOR ANTAGONISTS FOR TREATING ACUTE MYOCARDIAL INFARCTION

EP - 25.10.2006

Int.Class [A61K 31/41](#) Appl.No 06009525 Applicant [NOVARTIS AG](#) Inventor MANN JESSICA M

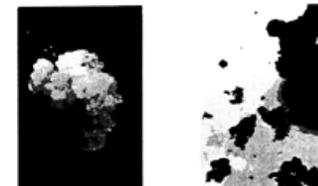
The invention relates to the use of an angiotensin II receptor antagonist or a pharmaceutically acceptable salt thereof for the manufacture of a medicament for the treatment of acute MI and for the secondary prevention of acute MI.

3. **5766900** METHOD OF REGENERATING FERTILE TRANSGENIC ZEA MAYS PLANTS FROM PROTOPLASTS

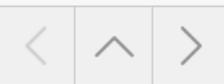
US - 16.06.1998

Int.Class [A01M 1/06](#) Appl.No 08418810 Applicant [Novartis Corporation](#) Inventor Shillito Ray

Methods of regenerating fertile Zea mays plants from protoplasts or protoplast-derived cells are described. The protoplasts or cells may be derived from embryogenic cell cultures or callus cultures. The protoplasts, cells and resulting plants may be transgenic, containing, for example, chimeric genes coding for a polypeptide having substantially the insect toxicity properties of the crystal protein produced by Bacillus thuringiensis.



1. WO2020247698 - USE OF AN ANTI-P-SELECTIN ANTIBODY



PCT Biblio. Data Description Claims ISR/WOSA/A17(2)[a] National Phase Patent Family Notices Compounds Markush Documents

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Publication Number

WO/2020/247698

Publication Date

10.12.2020

International Application No.

PCT/US2020/036221

International Filing Date

05.06.2020

IPC

A61P 15/00 2006.1 C07K 16/28 2006.1

CPC

A61K 2039/505 A61P 15/00 C07K 16/2854

C07K 2317/24 C07K 2317/76

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Priority Data

62/858,526 07.06.2019 US

Publication Language

Title

[EN] USE OF AN ANTI-P-SELECTIN ANTIBODY
[FR] UTILISATION D'UN ANTICORPS ANTI-P-SÉLECTINE

Abstract

[EN] The invention relates to a method of treating priapism in a patient in need of such treatment, comprising administering a pharmaceutically effective amount of an anti-P-selectin antibody or a binding fragment thereof to said patient, especially wherein the patient is suffering from Sickle Cell Disease (SCD), and related invention embodiments (uses, methods, pharmaceutical preparations and use in the preparation of pharmaceutical preparations).

[FR] L'invention concerne un procédé de traitement du priapisme chez un patient nécessitant un tel traitement, comprenant l'administration d'une quantité pharmaceutiquement efficace d'un anticorps anti-P-sélectine ou d'un fragment de liaison de celui-ci audit patient, en particulier à un patient souffrant de drépanocytose (SCD), ainsi que des modes de réalisation de l'invention [utilisations, procédés, préparations pharmaceutiques et utilisation dans la préparation de préparations pharmaceutiques].

Related patent documents

[AU2020289364](#) [CA3142011](#) [EP3980122](#) [US20220306749](#)

1. WO2020247698 - USE OF AN ANTI-P-SELECTIN ANTIBODY



PCT Biblio. Data **Description** Claims ISR/WOSA/A17(2)[a] National Phase Patent Family Notices Compounds Markush Documents



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[EN]

Use of an Anti-P-selectin Antibody

FIELD OF INVENTION

The invention relates to the treatment of priapism, especially in patients with Sickle cell Disease [SCD], with a drug, especially an antibody, capable of binding to P-selectin. Methods of treatment, uses, pharmaceutical preparations, their manufacture and the drug for use in treatment of priapism, respectively, are examples of specific embodiments of the invention.

BACKGROUND

Priapism is an involuntary, painful and persistent penile erection that lasts longer than normal and that is found without relationship to sexual activity.

Three types of priapism have been differentiated: [1] ischemic, [2] recurrent ischemic ["stuttering priapism"] and [3] non-ischemic priapism. The vast majority of cases are ischemic.

This invention is mainly related to ischemic and recurrent ischemic priapism.

Profoundly long priapism may lead to irreversible damage to the penis of male patients. Therefore, various treatment methods have been suggested which partially are also very cumbersome for the affected patients.

In acute phase priapism, it is recommended that treatment is started with aspiration of blood and/or injection of an alpha-adrenergic agent.

For long term treatment or in the case the acute phase treatment fails, shunt procedures allowing for increased blood flow are a commonly used procedure. In the case of recurrent priapism, androgen ablation therapy was regarded as effective, or, in the case of men with sickle cell disease [SCD], treatment with 5-phosphodiesterase inhibitors. For a review see Matthew Hudnall et al., Trans. Androl. Urol. 2017, 6(2), 199-206.

In this review and the literature cited therein, among the mechanisms forming a basis for priapism, PDE5 regulation and subsequent aberrant NO signaling has been described to be an important cause of stuttering priapism.

2. WO2003033001 - COMBINATIONS COMPRISING COX-2 INHIBITORS AND ASPIRIN



PCT Biblio. Data **Description** Claims National Phase Patent Family Notices **Compounds** **Markush** Documents



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[EN]

COMBINATIONS COMPRISING COX-2 INHIBITORS

AND **ASPIRIN**

This invention relates to pharmaceutical compositions and uses, in particular to pharmaceutical compositions for use in the selective inhibition of COX-2 activity and for treating conditions in mammals which are responsive to COX-2 inhibition.

It has been proposed to treat a condition selected from the group consisting of acute coronary ischemic syndrome, thrombosis, thromboembolism, thrombotic occlusion and reocclusion, transient ischemic attack, and first or subsequent thrombotic stroke, in a patient having the condition, comprising administering to the patient a therapeutically effective amount of an antiplatelet agent in combination with a therapeutically effective amount of a COX-2 inhibitor [US Patent No. 6,136,804; Merck]. This combination therapy is stated to provide enhanced treatment options as compared to administration of either the antiplatelet agent or the COX-2 inhibitor alone. **Aspirin** is identified as an antiplatelet agent that may be used in this combination therapy and recommended for use at dosages generally in the range from 75 mg up to about 325 mg per day. It has now been found, in accordance with the present invention, that diseases involving platelet aggregation, such as those identified above, may be treated or avoided during treatment with a COX-2 inhibitor if the COX-2 inhibitor is administered in combination with **aspirin** at dosages lower than hitherto used; and furthermore that particular advantageous results are obtained if a 5-alkyl-2-arylaminophenylacetic acid derivative COX-2 inhibitor is used in combination with **aspirin** as antiplatelet inhibitor.

Accordingly the present invention provides a pharmaceutical composition for treatment of conditions in mammals which are responsive to COX-2 inhibition which comprises in combination an effective amount of a COX-2 inhibitor and low-dose **aspirin**, for simultaneous, sequential or separate use.

Further the invention provides the use of a COX-2 inhibitor for the preparation of a medicament, for use in combination with low-dose **aspirin** for treatment of conditions in mammals which are responsive to COX-2 inhibition.

In a further embodiment the invention provides a method of treating a patient suffering from a condition which is responsive to COX-2 inhibition comprising administering to the patient an effective amount of a COX-2 inhibitor in combination with low-dose **aspirin**.

Yet further the invention provides use of low-dose **aspirin** to treat acute coronary ischemic syndrome, thrombosis, thromboembolism, thrombotic occlusion and reocclusion, transient ischemic attack, myocardial infarction, and first or subsequent thrombotic stroke, in a patient having the condition, when the low-dose **aspirin** is administered in combination with an effective amount of a COX-2 inhibitor. Advantageously low dose **aspirin** is administered together with the COX-2 inhibitor for cardio-protection, e.g. in view of the anti-platelet aggregation activity of **aspirin**.

In the present description the term "treatment" includes both prophylactic or preventative treatment as well as curative or disease modifying treatment, including treatment of patients at risk of contracting the disease or suspected to have contracted the disease as well as ill patients. In preferred embodiments of the invention "treatment" comprises primary or secondary prevention of cardiovascular disease.

The invention is generally applicable to the treatment of conditions in mammals which are responsive to COX-2 inhibition. For instance, for the treatment of cyclooxygenase dependent disorders in mammals, including inflammation, pyresis, pain, osteoarthritis, rheumatoid arthritis, migraine headache, neurodegenerative diseases [such as multiple sclerosis], Alzheimer's disease, osteoporosis, asthma, lupus and psoriasis. Moreover, COX-2 inhibitors are further useful for the treatment of

2. WO2003033001 - COMBINATIONS COMPRISING COX-2 INHIBITORS AND ASPIRIN

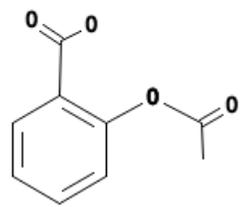


PCT Biblio. Data Description Claims National Phase Patent Family Notices **Compounds** Markush Documents

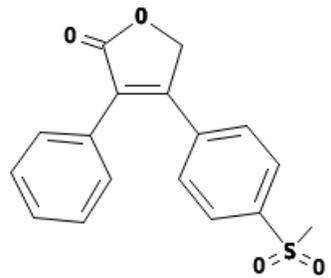
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Title Abstract Description Claims

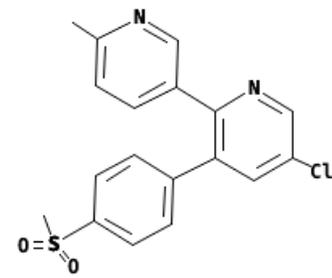
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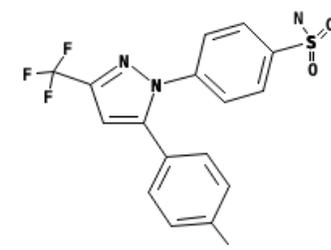
Rofecoxib



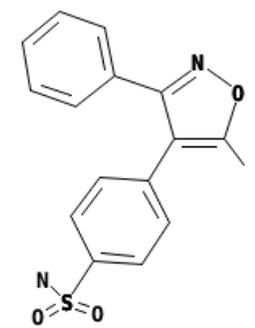
Etoricoxib



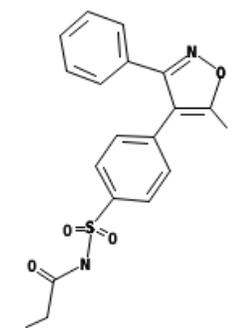
Celecoxib



Valdecoxib



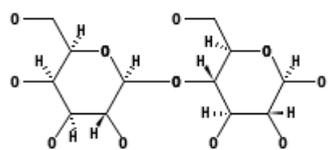
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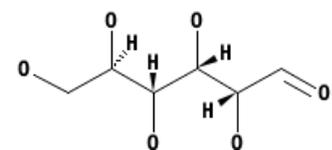
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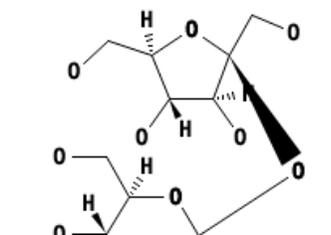
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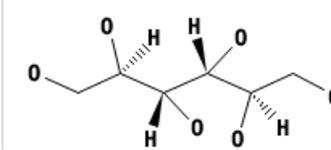
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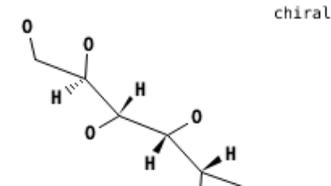
CZMRCDWAGMRECN-UGDNZRGBSA-N



FBPFZTCFMRRESA-KVTDHHQDSA-N



FBPFZTCFMRRESA-JGWLITMVSA-N



2. WO2003033001 - COMBINATIONS COMPRISING COX-2 INHIBITORS AND ASPIRIN



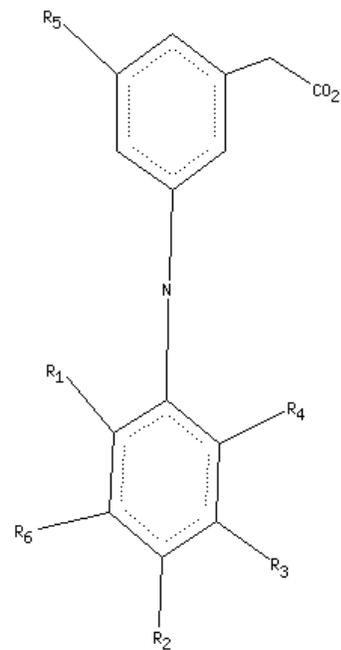
PCT Biblio. Data Description Claims National Phase Patent Family Notices Compounds Markush Documents

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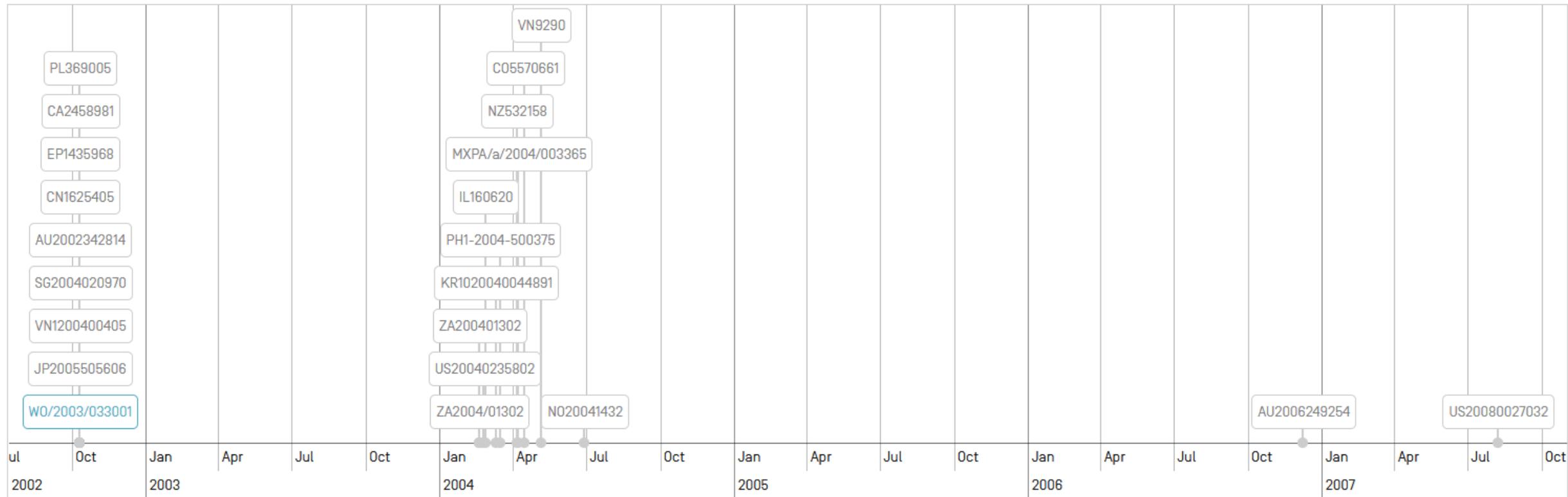
Markush Nr.

0093-51601

▼ Markush formula



R1 = r1(1) ← C1 r1(1) ← F



PH12004500375

Appl.No 12004500375

EP1435968 COMBINATIONS COMPRISING COX-2 INHIBITORS AND ASPIRIN

Appl.No 02779476 Applicant NOVARTIS AG Pub.Kind A1 Pub.Lang en

CN1625405 COMBINATIONS COMPRISING COX-2 INHIBITORS AND ASPIRIN

Appl.No 02820085.3 Applicant Novartis AG Pub.Kind A Pub.Lang zh

CA2458981 COMBINATIONS COMPRISING COX-2 INHIBITORS AND ASPIRIN

Appl.No 2458981 Applicant NOVARTIS AG Pub.Kind A1 Pub.Lang en

AU2002342814 COMBINATIONS COMPRISING COX-2 INHIBITORS AND ASPRIN

Appl.No 2002342814 Applicant Novartis AG Pub.Kind A

WO/2003/033001 COMBINATIONS COMPRISING COX-2 INHIBITORS AND ASPIRIN

Appl.No PCT/EP2002/011380 Applicant GIMONA, Alberto Pub.Kind A Pub.Lang en

JP2005505606 COX - 2 インヒビターおよびアスピリンを含んでなる組合せ剤

Appl.No 2003535804 Applicant ノバルティス アーゲー Pub.Kind A,A5 Pub.Lang ja

VN1200400405 CHẾ PHẨM CHỮA CHẤT ỨC CHẾ COX-2 VÀ ASPIRIN

Appl.No 1200400405 Applicant NOVARTIS AG Pub.Kind A

PL369005 COMBINATIONS COMPRISING COX-2 INHIBITORS AND ASPIRIN

Appl.No 369005 Applicant NOVARTIS AG Pub.Kind A1 Pub.Lang pl

SG2004020970 COMBINATIONS COMPRISING COX-2 INHIBITORS AND ASPIRIN

Appl.No 2004020970 Applicant NOVARTIS AG Pub.Kind A

ZA2004/01302 COMBINATIONS COMPRISING COX-2 INHIBITORS AND ASPIRIN

Appl.No 2004/01302 Applicant NOVARTIS AG Pub.Kind B Pub.Lang en

ZA200401302

National Entry Date

Inclusion Criteria IC3

Appl.Date 10.10.2002

Inclusion Criteria IC2

Pub.Date 14.07.2004

Inclusion Criteria IC2

Appl.Date 10.10.2002

Pub.Date 08.06.2005

Inclusion Criteria IC2

Appl.Date 10.10.2002

Pub.Date 24.04.2003

Inclusion Criteria IC2

Appl.Date 10.10.2002

Pub.Date 27.02.2003

Inclusion Criteria IC1

Appl.Date 10.10.2002

Pub.Date 24.04.2003

PCT application from which the family originated.

Inclusion Criteria IC2

Appl.Date 10.10.2002

Pub.Date 24.02.2005

Inclusion Criteria IC2

Appl.Date 10.10.2002

Pub.Date 25.06.2004

Inclusion Criteria IC2

Appl.Date 10.10.2002

Pub.Date 18.04.2005

Inclusion Criteria IC2

Appl.Date 10.10.2002

Pub.Date 26.05.2004

Inclusion Criteria IC2

Appl.Date 18.02.2004

Pub.Date 30.03.2005

National Entry Date 18.02.2004

Available information on National Phase entries [\[more information\]](#)

Office	Entry Date	National Number	National Status
China	10.10.2002	02820085.3	
European Patent Office	16.02.2004	2002779476	Published 14.07.2004 Withdrawn 05.12.2006
South Africa	18.02.2004	2004/01302	
South Africa	18.02.2004	200401302	
United States of America	24.02.2004	10487759	
Canada	26.02.2004	2458981	
Israel	26.02.2004	160620	Published 25.07.2004
Republic of Korea	10.03.2004	1020047003586	Published 31.05.2004 Refused 06.04.2006
Australia	15.03.2004	2002342814	
Philippines	15.03.2004	1-2004-500375	
Japan	31.03.2004	2003535804	

1. US20030024228 - WINDROW MERGING ATTACHMENT



[National Biblio. Data](#) [Description](#) [Claims](#) [Drawings](#) [Patent Family](#) [Documents](#)

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[Machine translation](#) ▾

Office

United States of America

Application Number

10209373

Application Date

31.07.2002

Publication Number

20030024228

Publication Date

06.02.2003

Grant Number

6862873

Grant Date

08.03.2005

Publication Kind

B2

IPC

A01D 57/30

A01D 57/00

A01D 57/20

CPC

A01D 43/077

A01D 57/20

Applicants

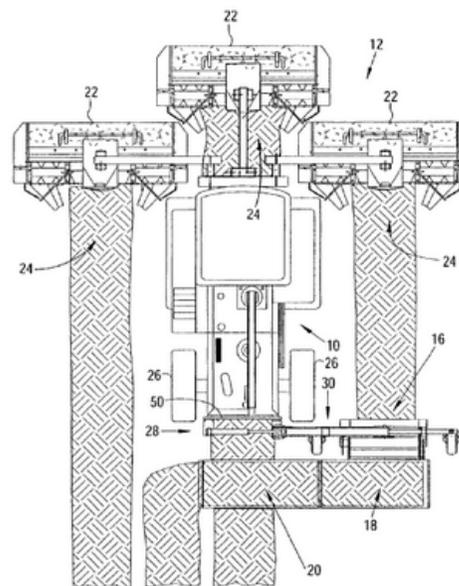
Deere & Company

Inventors

Franet Roger

Title

[EN] Windrow merging attachment



Abstract

[EN]

A **windrow** merging implement with a pick-up, a conveyor and a connecting hitch or structure is provided in combination with a mowing vehicle, with the connecting hitch being releasably secured to a rear end of the vehicle chassis. The mowing vehicle is operative to form **windrows** of crop in one or more of three locations, namely, a central location passing longitudinally between the wheels of the vehicle and one on each side of the vehicle. The **windrow** merging implement may be positioned at either side of the vehicle for picking up the **windrow** deposited there, and includes a conveyor structure for either depositing the picked up **windrow** upon or alongside the centrally deposited **windrow**. Also disclosed is an embodiment where the **windrow** merging implement picks up and displaces transversely the centrally deposited **windrow**. A further embodiment discloses two **windrow** merging implements which respectively pick up the **windrows** at the opposite sides of the vehicle and convey them inwardly so as to be combined with the centrally located **windrow**.

Related patent documents

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OfficeUnited States of America **Application Number**

10209373

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A01D 57/20

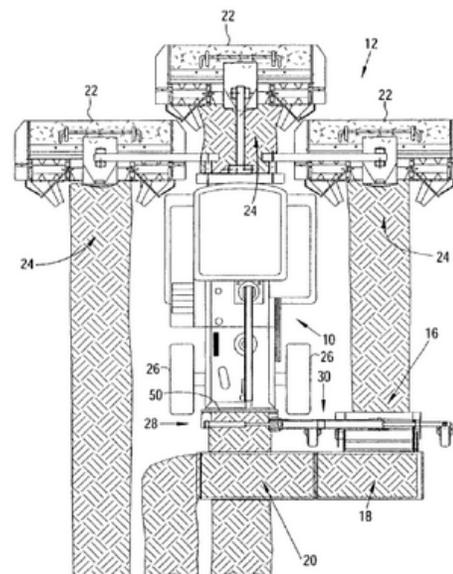
CPC

A01D 43/077

A01D 57/20

Applicants[Deere](#) & Company**Inventors**

Franet Roger

Priority Data[10138445](#) [04.08.2001](#) [DE](#)**Title****[EN]** Unión de fusión de viento**Abstract****[EN]**

Se proporciona un implemento de fusión de hilera con un recogedor, un transportador y un enganche o estructura de conexión en combinación con un vehículo de segado, con el enganche de conexión siendo asegurado liberablemente a un extremo posterior del armazón del vehículo. El vehículo de segado es operativo para formar hileras de cultivo en una o más de tres ubicaciones, a saber, una ubicación central que pasa longitudinalmente entre las ruedas del vehículo y una a cada lado del vehículo. El implemento de fusión de hilera puede ser colocado en cualquier lado del vehículo para recoger la hilera depositada ahí, e incluye una estructura transportadora para ya sea depositar la hilera de viento recogida sobre o a lo largo de la hilera de viento depositada centralmente. También se describe una modalidad en donde el implemento de fusión de hilera recoge y desplaza transversalmente la hilera de viento centralmente depositada. Una modalidad adicional describe dos implementos de fusión de hilera de viento que recogen respectivamente las hileras de viento en los lados opuestos del vehículo y las transportan hacia adentro para ser combinadas con la hilera de viento centralmente localizada.

Related patent documents[DE000010138445](#) [EP1281312](#) [AT363825](#)

1. US20030024228 - WINDROW MERGING ATTACHMENT



National Biblio. Data Description Claims Drawings Patent Family Documents

PermaLink Machine translation ▾

Office

United States of America

Application Number

10209373

Application Date

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A01D 57/30

A01D 57/00

A01D 57/20

CPC

A01D 43/077

A01D 57/20

Applicants

Deere & Company

Inventors

Franet Roger

Title

[EN] Windrow merging attachment



- A HUMAN NECESSITIES
- 01 AGRICULTURE; FORESTRY; ANIMAL HUSBANDRY; HUNTING; TRAPPING; FISHING
- D HARVESTING; MOWING
- 57 Delivering mechanisms for harvesters or mowers
- 20 with conveyor belts

Abstract

[EN]

A **windrow** merging implement with a pick-up, a conveyor and a connecting hitch or structure is provided in combination with a mowing vehicle, with the connecting hitch being releasably secured to a rear end of the vehicle chassis. The mowing vehicle is operative to form **windrows** of crop in one or more of three locations, namely, a central location passing longitudinally between the wheels of the vehicle and one on each side of the vehicle. The **windrow** merging implement may be positioned at either side of the vehicle for picking up the **windrow** deposited there, and includes a conveyor structure for either depositing the picked up **windrow** upon or alongside the centrally deposited **windrow**. Also disclosed is an embodiment where the **windrow** merging implement picks up and displaces transversely the centrally deposited **windrow**. A further embodiment discloses two **windrow** merging implements which respectively pick up the **windrows** at the opposite sides of the vehicle and convey them inwardly so as to be combined with the centrally located **windrow**.

Related patent documents

1. US20030024228 - WINDROW MERGING ATTACHMENT



National Biblio. Data **Description** Claims Drawings Patent Family Documents

[PermaLink](#) [Machine translation](#) ▾

Office

United States of America

Title

[EN] Windrow merging attachment

Application Number

10209373

Application Date

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Publication Number

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Publication Date

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A01D 57/00

A01D 57/20

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A01D 43/077

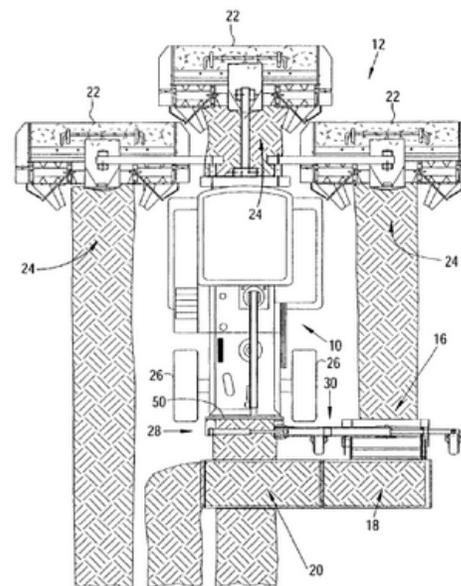
A01D 57/20

Applicants

Deere & Company

Inventors

Franet Roger



Abstract

[EN]

A **windrow** merging implement with a pick-up, a conveyor and a connecting hitch or structure is provided in combination with a mowing vehicle, with the connecting hitch being releasably secured to a rear end of the vehicle chassis. The mowing vehicle is operative to form **windrows** of crop in one or more of three locations, namely, a central location passing longitudinally between the wheels of the vehicle and one on each side of the vehicle. The **windrow** merging implement may be positioned at either side of the vehicle for picking up the **windrow** deposited there, and includes a conveyor structure for either depositing the picked up **windrow** upon or alongside the centrally deposited **windrow**. Also disclosed is an embodiment where the **windrow** merging implement picks up and displaces transversely the centrally deposited **windrow**. A further embodiment discloses two **windrow** merging implements which respectively pick up the **windrows** at the opposite sides of the vehicle and convey them inwardly so as to be combined with the centrally located **windrow**.

Related patent documents

Note: Text based on automatic Optical Character Recognition processes. Please use the PDF version for legal matters

[EN]

FIELD OF THE INVENTION

The invention concerns a crop swath or windrow merging attachment including a pick-up, a conveyor and a mounting structure for connecting the attachment to a vehicle, as well as a vehicle and a windrow merging process.

BACKGROUND OF THE INVENTION

GB-A-2 215 971 reveals a windrow merging attachment including a pick-up and conveying arrangement for windrowed crop lying on the ground, that is fastened to the front side of an agricultural tractor and repositions crop lying on the ground in front of the agricultural tractor to the side of the latter.

The problem underlying the invention is seen in the fact that too many operating steps are required for the mowing of the crop and its gathering into swaths or windrows.

DE-C 199 31 684 discloses a self-propelled mowing vehicle with one mowing unit located in front, one located at the left and one located at the right of the running gear. The front mowing unit deposits the crop that has been cut centrally in a swath or windrow between the wheels of the mowing vehicle, while the mowing units at the side convey the crop to the center of the vehicle and throw it between the front and the rear wheels upon the swath already formed between the wheels.

This embodiment accommodates only a small amount of crop since the space for a swath between the wheels is relatively small. Beyond that, the crop in the edge region of the swath can be damaged by wheels rolling over it.

The result of these considerations is the problem of the low harvesting capacity.

Finally it is known practice to combine crop lying on the ground by means of a tedder which, however, has the disadvantage that the tedder can lose tines or whirl up stones which then can reach the crop as foreign objects.

SUMMARY OF THE INVENTION

According to the present invention, there is provided an improved windrow merging or grouping implement adapted for connection to a mowing and windrowing implement.

An object of the invention is to provide a windrow merging or grouping implement which is of a relatively simple, compact structure.

A more specific object of the invention is to provide a windrow merging or grouping implement wherein the connecting structure is fixed to and in transverse alignment with the pick-up which delivers crop rearwardly to a conveyor for conveying the crop to the side. The windrow merging or grouping implement is particularly suited for being fastened to the rear of a vehicle having one or more mowing units coupled to locations ahead of the windrow merging implement. For example, the vehicle may be a self-propelled traction unit carrying up to three mowing units, with one being in front and the other two being at opposite sides of the vehicle. In any event, the only thing that is essential is that the windrow merging implement be located downstream of the mowing arrangement on the vehicle and thereby can take up the crop previously deposited and convey it to the side. Although this merging implement was originally conceived preferably for a mowing vehicle, other areas of application are also conceivable. For example, the foliage of beets, potatoes or the like can be taken up after separate cropping and conveyed to the side.

The connecting structure that extends from the pick-up can be repositioned, if necessary, together with a conveyor, and makes it possible to pivot the pick-up to the limits allowed for transport on public roads or even to bring it to another location for the operation. For example, the pick-up can be employed to the left or the right side of the vehicle.

The rigid connection between the conveyor and the pick-up provides assurance that the crop taken up by the pick-up is conducted over to the conveyor without clinging to it.

By means of a further conveyor, the crop taken up by the first conveyor and the second conveyor can be transported over a wide distance and thereby, if necessary, be transported from one side of the vehicle to the other side.

The ability to reposition the further conveyor makes it possible to utilize the possibility of a wide transport or to refrain from doing so. For example, the further conveyor can be brought into a position in which the crop is deposited behind the vehicle instead of to its side.

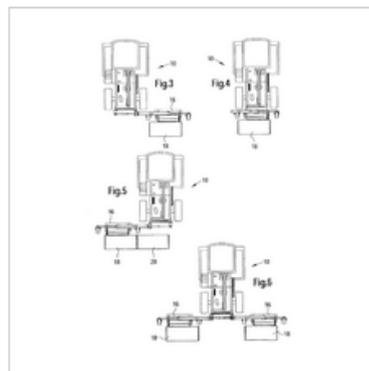
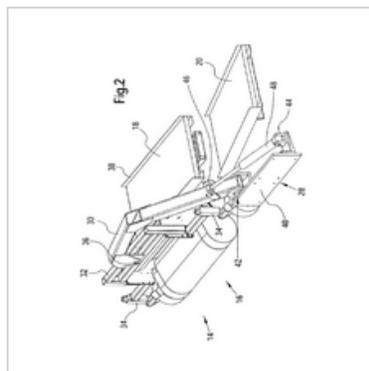
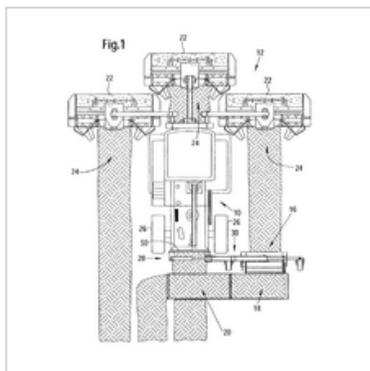
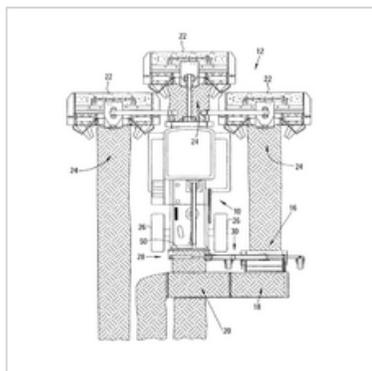
Support wheels are provided on the one hand to assure the desired distance of the pick-up from the ground and on the other hand to reduce the load on the support components of the windrow merging implement.

Note: Text based on automatic Optical Character Recognition processes. Please use the PDF version for legal matters

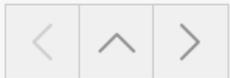
[EN]

Claims

1. In a windrow merging implement equipped with a pick-up, a conveyor arrangement and a connecting structure for connecting the merging implement to a mowing vehicle, comprising: said implement including a frame joined to said pick-up; a transversely extending carrier interposed between said frame and said connecting structure and being mounted for moving relative to said frame and to said connecting structure; a powered control device being coupled between said carrier and said connecting structure for selectively effecting movement of said carrier; and said connecting structure being adapted for connection with said vehicle approximately in a vertical transverse plane contacting a front side of said pick-up.
2. The windrow merging implement defined in **claim 1**, wherein said conveyor structure includes a first conveyor mounted in a spatially fixed relationship relative to said pick-up.
3. The windrow merging implement defined in **claim 2**, wherein said conveyor structure includes a further conveyor that is connected only to said connecting structure.
4. The windrow merging implement defined in **claim 2**, wherein said pick-up frame includes support wheels coupled to opposite sides thereof.
5. In a combination of a windrow merging implement and a vehicle carrying a mowing arrangement, with said implement being equipped with a pick-up, a conveyor structure for receiving crop discharged from the pick-up and a connecting structure mounting said implement to a chassis of said vehicle, the improvement comprising: said pick-up being located ahead of said conveyor structure and including a frame; a carrier connecting said connecting structure to said frame and; said connecting structure being releasably mounted to a rear end of said chassis approximately within a vertical transverse plane contacting a forward side of said pick-up.
6. The combination defined in **claim 5** wherein said mowing arrangement includes at least one discharge opening located to one side of said vehicle for creating a windrow of cut crop; and said windrow merging implement being located such that said pick-up is disposed for picking up said windrow of cut crop; and said conveyor structure being disposed for transporting said windrow of cut crop transverse to the direction of forward travel of said vehicle to a location at least as far as directly behind said vehicle.
7. The combination as defined in **claim 5** and further including a second windrow merging implement of a construction, like said first-mentioned implement; said mowing arrangement including at least two discharge openings respectively located for depositing cut crop in right and left windrows located at opposite sides of said vehicle; said first-mentioned and second windrow merging implements being transversely aligned with each other, with their respective pick-ups being located for picking up said right and left windrows and with their respective conveyor structures being disposed for depositing crop behind said vehicle.
8. A process for the harvesting and merging of an agricultural crop with a mowing vehicle combined with a windrow merging implement arrangement, comprising the steps of:
 - a) cutting said crop with said mowing arrangement;
 - b) discharging the cut crop so as to form first and second transversely spaced windrows;
 - c) picking up said first windrow; and
 - d) conveying said first windrow transversely to a location, which is one of upon or alongside said second windrow.
9. The process as defined in **claim 8**, and further including the steps of:
 - [e] forming a third windrow concurrently with the formation of, and located at an opposite side of, said second windrow from said first windrow; and
 - [f] picking up said third windrow concurrently with picking up said first windrow; and



1. US20030024228 - WINDROW MERGING ATTACHMENT



National Biblio. Data Description Claims Drawings Patent Family Documents

PermaLink Machine translation ▾

Office

United States of America

Title

(EN) Windrow merging attachment

Application Number

10209373

Application Date

31.07.2002

Publication Number

20030024228

Publication Date

06.02.2003

Grant Number

6862873

Grant Date

08.03.2005

Publication Kind

B2

IPC

A01D 57/30

A01D 57/00

A01D 57/20

CPC

A01D 43/077

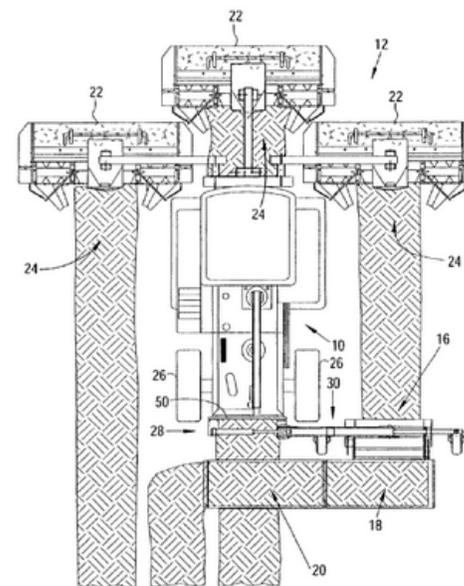
A01D 57/20

Applicants

Deere & Company

Inventors

Franet Roger



Abstract

(EN)

A windrow merging implement with a pick-up, a conveyor and a connecting hitch or structure is provided in combination with a mowing vehicle, with the connecting hitch being releasably secured to a rear end of the vehicle chassis. The mowing vehicle is operative to form windrows of crop in one or more of three locations, namely, a central location passing longitudinally between the wheels of the vehicle and one on each side of the vehicle. The windrow merging implement may be positioned at either side of the vehicle for picking up the windrow deposited there, and includes a conveyor structure for either depositing the picked up windrow upon or alongside the centrally deposited windrow. Also disclosed is an embodiment where the windrow merging implement picks up and displaces transversely the centrally deposited windrow. A further embodiment discloses two windrow merging implements which respectively pick up the windrows at the opposite sides of the vehicle and convey them inwardly so as to be combined with the centrally located windrow.

Related patent documents

PermaLink

Published Application

		Download
US10209373B2	US20050308	 XML  ZIP XML+TIFFS
US10209373A1	US20030206	 XML  ZIP XML+TIFFS

Global Dossier

Legal date	Description	Download
31.07.2002	Abstract	PDF (1 pages)
31.07.2002	Abstract	PDF (1 pages)
31.07.2002	Claims	PDF (3 pages)
31.07.2002	Claims	PDF (3 pages)
31.07.2002	Drawings-only black and white line drawings	PDF (3 pages)
31.07.2002	Drawings-only black and white line drawings	PDF (3 pages)

1. WO2011162765 - WEB PRESS AND A METHOD OF DUPLEX PRINTING



PCT Biblio. Data Description Claims Drawings National Phase Notices Documents

PermaLink

International Application Status

Date	Title	View	Download
12.08.2020	International Application Status Report	HTML , PDF , XML	PDF , XML

Published International Application

Date	Title	View	Download	
29.12.2011	Initial Publication with ISR[(A1 52/2011)]	PDF (34p.)	PDF (34p.) , ZIP(XML + TIFFs)	<input type="checkbox"/>

Search and Examination-Related Documents

Date	Title	View	Download	
28.12.2012	(IB/373) International Preliminary Report on Patentability Chapter I	PDF (4p.)	PDF (4p.) , ZIP(XML + TIFFs)	<input type="checkbox"/>
24.12.2012	(ISA/237) Written Opinion of the International Searching Authority	PDF (3p.)	PDF (3p.) , ZIP(XML + TIFFs)	<input type="checkbox"/>
29.12.2011	(ISA/210) International Search Report	PDF (4p.)	PDF (4p.) , ZIP(XML + TIFFs)	<input type="checkbox"/>

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W02017124775	24.07.2018	[IB/373] International Preliminary Report on Patentability Chapter I	W02017124775-IPRP1-20180724-9715.pdf	5	
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6. WO2022122744 - ELEVATOR CAR HAVING VENTILATION MEANS FOR VENTILATING THE CAR WHEN THE CAR IS CLOSED WHILE TRAVELING



[PCT Biblio. Data](#) [Description](#) [Claims](#) [Drawings](#) [ISR/WOSA/A17\[2\]\[a\]](#) [National Phase](#) [Notices](#) [Documents](#)



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Publication Number

WO/2022/122744

Publication Date

16.06.2022

International Application No.

PCT/EP2021/084621

International Filing Date

07.12.2021

IPC

B66B 11/02 2006.1

CPC

B66B 11/024 F24F 7/10

Applicants

DUSSMANN TECHNICAL SOLUTIONS GMBH

[DE]/[DE]

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am Main, DE

Inventors

KUNSTMANN, Jürgen

FÜRSTENBERG-DUSSMANN, Catherine

Agents

GILLE HRABAL PARTNERSCHAFTSGESELLSCHAFT

Title

[DE] AUFZUGSKABINE MIT BELÜFTUNGSMITTELN ZUM BELÜFTEN DER KABINE BEI GESCHLOSSENER KABINE WÄHREND DER FAHRT

[EN] ELEVATOR CAR HAVING VENTILATION MEANS FOR VENTILATING THE CAR WHEN THE CAR IS CLOSED WHILE TRAVELING

[FR] CABINE D'ASCENSEUR COMPRENANT DES MOYENS DE VENTILATION POUR VENTILER LA CABINE LORSQUE LA CABINE EST FERMÉE PENDANT UN TRAJET

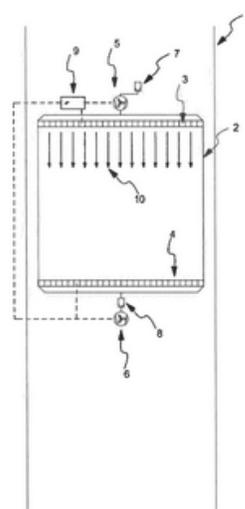


Fig.1

Abstract

[DE] Die Erfindung betrifft eine Aufzugskabine [2] mit Belüftungsmitteln [3-9] zum Belüften der Kabine bei geschlossener Kabine während der Fahrt, wobei die Belüftungsmittel [3-9] umfassen: Deckenöffnungen [3] im oberen Bereich der Aufzugskabine zum Zuführen von Umgebungsluft in die Aufzugskabine, insbesondere aus einem Aufzugsschacht [1], Bodenöffnungen [4] im



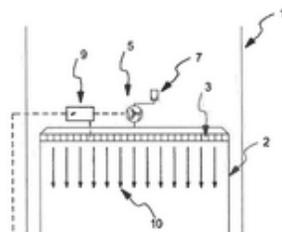
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UNGSMITTELN ZUM BELÜFTEN DER KABINE BEI GESCHLOSSENER KABINE WÄHREND DER FAHRT
 LATION MEANS FOR VENTILATING THE CAR WHEN THE CAR IS CLOSED WHILE TRAVELING
 RENANT DES MOYENS DE VENTILATION POUR VENTILER LA KABINE LORSQUE LA KABINE EST FERMÉE PENDANT UN TRAJET



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W02022067359			09.05.2023	13.04.2023	 
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11,683 results Offices all Languages all Stemming true Single Family Member false Include NPL false



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1. [WO/2018/184886](#) METHOD FOR CONTROLLING AN AGRICULTURAL MACHINE WHEN WINDROWING A CROP AND AN ARRANGEMENT HAVING AN AGRICULTURAL MACHINE

WO - 11.10.2018

Int.Class [A01D 78/10](#) Appl.No PCT/EP2018/057620 Applicant KVERNELAND GROUP KERTEMINDE AS Inventor PAULI, Marco

The invention relates to a method for controlling an agricultural machine when **windrowing** a crop on a usable agricultural area, comprising: making available an agricultural machine with a **windrowing** rake [1], in which a combination of raking devices [4, 5] is arranged on a supporting frame [3], said raking devices [4, 5] being configured to **windrow** a crop on a usable agricultural area: moving the agricultural machine with the **windrowing** rake [1] on the usable agricultural area, in order to **windrow** the crop: and controlling the raking devices [4, 5] during the **windrowing** operation by means of control signals generated by a control device of the agricultural machine, wherein in this context the raking devices [4, 5] are controlled in accordance with a first operating mode to **windrow** a first section of a **windrow** of the crop with a first **windrow** width if the agricultural machine with the **windrowing** rake [1] is moving along an essentially straight driving section; and the raking devices [4, 5] are controlled in accordance with the second operating mode to **windrow** a second section of the **windrow** with a second **windrow** width which is smaller than the first **windrow** width if the agricultural machine with the **windrowing** rake [1] is moving along a curved driving section. Furthermore, an arrangement having an agricultural machine for **windrowing** a crop on a usable agricultural area is provided.

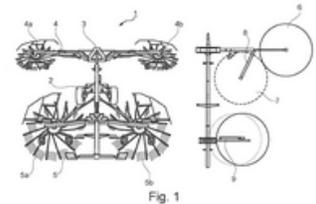


Fig. 1

2. [WO/2018/184857](#) METHOD FOR CONTROLLING AN AGRICULTURAL MACHINE WHEN WINDROWING A CROP ON A USABLE AGRICULTURAL AREA AND AGRICULTURAL MACHINE

WO - 11.10.2018

Int.Class [A01D 78/10](#) Appl.No PCT/EP2018/057311 Applicant KVERNELAND GROUP KERTEMINDE AS Inventor PAULI, Marco

The invention relates to a method for controlling an agricultural machine when **windrowing** a crop on a usable agricultural area, comprising: making available an agricultural machine with a **windrowing** rake [1], in which a combination of raking devices [4a, 4b, 5a, 5b] is arranged on a supporting frame [3], said raking devices [4a, 4b, 5a, 5b] being configured to **windrow** a crop on a usable agricultural area; moving the agricultural machine with the **windrowing** rake [1] on the usable agricultural area, in order to **windrow** the crop: repeated determination of machine position data for the agricultural machine by means of a position-determining system while the agricultural machine is being moved on the usable agricultural area, wherein the machine position data indicate an instantaneous position of the agricultural machine on the usable agricultural area; making available electronic location information, wherein the electronic location information comprises position information which indicates a distribution of the crop to be **windrowed** along a non-linear line in a part of the usable agricultural area; and controlling the raking devices [4a, 4b, 5a, 5b] by means of control signals which are generated by a control device, if during data processing of the machine position data and of the position information by means of the control device it is determined that the crop is being **windrowed** in the part of the usable agricultural area such that a working position of one or more raking devices [4a, 4b, 5a, 5b] is set and changed as a function of the position in order to **windrow** the crop which is distributed along the non-linear line into a **windrow** which is produced so as to run along a straight **windrowing** line, wherein during the position-dependent setting and changing of the working position the one or more raking devices [4a, 4b, 5a, 5b] is/are moved between a raised non-working position and a lowered working position and/or is/are moved with respect to the supporting frame [3], between a proximal and a distal working position. Furthermore, an arrangement with an agricultural machine for **windrowing** a crop on a usable agricultural area is provided.

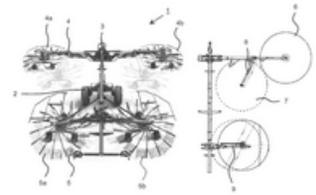
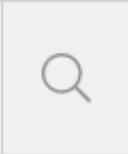


Fig. 1

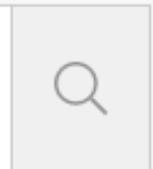
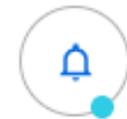
3. [0002719182](#) WIND FARM WITH MULTIPLE CUTTERS

RU - 17.04.2020

Int.Class [A01D 34/24](#) Appl.No 2016135757 Applicant Inventor ПОТОУЛ Дэвид В. [US]



ly Member false Include NPL false



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This query `EN_AB:(electri* OR electrica* OR electrici* OR support* OR stand* or carry* OR foundat* OR electron*)` cannot be run in PATENTSCOPE why?

- The use of the operator OR is incorrect
- The use of the parentheses is incorrect
- There are too many wildcards

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Solutions

I. OPERATOR EXERCISES

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A query with the operator OR will return documents having the keyword tennis or the keyword ball or both keywords.
- AND; OR; ANDNOT; NOT; BEFORE; NEAR
- No: query A will return documents having both keyword electric and bicycle with no more than 9 words between them and query B will return documents having the keyword electric before bicycle with no more than 9 words between the 2 keywords. In query B the order of words is taken into account whereas in query A the order is not relevant.
- To search for an exact term or phrase, use quotation marks.
- The operator NEAR allow to make sure that 2 keywords or more are close to each other in the result list. If no number is specified after near, the default maximum number of words is 5, the equivalent of NEARS.
- Query A as the operator NEAR makes sure that the 2 keywords appear close to each other, in this case no more than 4 words in between the 2 keywords.
- Documents about microwave ovens will not be included.

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