Solutions

I. OPERATOR EXERCISES

1. B
   A query with the operator OR will return documents having the keyword tennis or the
   keyword ball or both keywords.

2. AND; OR; ANDNOT; NOT; BEFORE; NEAR

3. 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.

4. To search for an exact term or phrase, use quotation marks.

5. 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 NEAR5.

6. 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.

7. Documents about microwave ovens will not be included.

II. FIELD EXERCISES

1. a. retrieve documents in Japanese: JA (JA_AB; JA_TI…)
   b. search information in all the parts of Chinese documents: ZH_ALL
   c. look for a precise IPC code: IC_EX
   d. look for an applicant: PAA (all data); PA (name)
   e. retrieve information in the Spanish claims: ES_CL
   f. search for all the information related to national phase entry data: NPA
   g. search information in the text in French: FR_ALLTXT
   h. retrieve latest kind codes: DTY

2. a. The field IC and the field IC_EX?
   IC = International Patent Classification including sub-groups
   IC_EX = Specific international Patent Classification
   b. The field EN_ALL and the field EN_ALLTXT
   EN_ALL = English All  all parts in English including Applicant, Inventors etc.
   EN_ALLTXT = English All Text  English text parts of the document such as
   description, claim, abstract
   c. The columns Countries and Offices in the Analysis in the result list
   Countries = national collections
   Offices = national collections + PCT applications entering into national phase in those
   countries

3. NPCC:CN AND NPED:CN-2020*
4. IC:(C10L1/00) AND PCN:DE
5. ISA:US
6. AN:PL2019*
III. SEARCH EXERCISES WITH THE SIMPLE SEARCH INTERFACE

1. a. documents about microchips

   ![Search Interface](image1)

   A search in the Front page will include documents in which microchip is part or the name of an applicant for example.

b.

   ![Search Interface](image2)

c.

   ![Search Interface](image3)

d.

   ![Search Interface](image4)
The language of the interface has to be changed to French so that the search is performed in the French text.

2. a.
III. SEARCH EXERCISES WITH THE FIELD COMBINATION INTERFACE

1. 122 – this may be different as with time more documents become available, please check below that the correct fields were used:

2. 156
3.

4.
5. No, mixing operators in Field Combination is not supported, if you would like to mix operators you will have to use the advanced search interface

IV. SEARCH EXERCISES WITH THE ADVANCED SEARCH INTERFACE

1. LI:1 AND TPO:1

2. EN_DE: (solar OR (wind AND turbine))

3. EN_DE: (cancer NEAR6 biomarker)
4. Documents containing *microchip* in the inventor/applicant name field will be included in the result list.

5.

6a. both keywords are searched in the English title field.
6b. electric will be searched in English title but car in all fields.

V. Result list exercises
1.
   a.
3.

1. WO2004057274 - A REVOLUTION COUNTER FOR BICYCLES

A revolution counter for a bicycle comprises a sensor (2), connected to a frame of a bicycle and sensitive to a presence of an element (1) connected to a rotating part (6), with respect to the bicycle frame in a position on the rotating part (6), by which is such that the element (1) passes periodically in proximity of the sensor (2). A sensor (2) and the element (1) are in a perpendicular plane to rotation axis of the rotating part (6).

2. WO2005098850 - BICYCLE LIGHTING SYSTEM

A bicycle lighting system comprises a lighting assembly adapted to be fixed secured to the bicycle frame, an electrical energy source electrically coupled to the lighting assembly for providing power to selectively illuminate the lighting assembly. A light output extending lengthwise between a first and second of the lighting assembly and a second apparatus and adjacent the reflector for positioning light emitted from the lighting assembly to the remote reflector, and a light transmitting lens coupled to the second of said light output for transmitting light to the remote reflector mounted to the bicycle.

4.

a.

EN_CL (bridge AND (vertical OR horizontal))
VI. STEMMING EXERCISES

1.

<table>
<thead>
<tr>
<th>Stemming support</th>
<th>Webcard support*</th>
</tr>
</thead>
<tbody>
<tr>
<td>support</td>
<td>support</td>
</tr>
<tr>
<td>supporting</td>
<td>supporting</td>
</tr>
<tr>
<td>supported</td>
<td>supported</td>
</tr>
<tr>
<td>supports</td>
<td>supports</td>
</tr>
<tr>
<td>supporter</td>
<td>supporter</td>
</tr>
<tr>
<td>supporters</td>
<td>supporters</td>
</tr>
<tr>
<td>supportive</td>
<td>supportive</td>
</tr>
<tr>
<td>supportsibility</td>
<td>supportsibility</td>
</tr>
<tr>
<td>supportingly</td>
<td>supportingly</td>
</tr>
<tr>
<td>supportless</td>
<td>supportless</td>
</tr>
<tr>
<td>supporterless</td>
<td>supporterless</td>
</tr>
<tr>
<td>supportive</td>
<td>supportive</td>
</tr>
<tr>
<td>supportsibility</td>
<td>supportsibility</td>
</tr>
<tr>
<td>Wildcard elect*</td>
<td>electrophotographic</td>
</tr>
<tr>
<td>----------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>electric</td>
<td>electroluminescent</td>
</tr>
<tr>
<td>electronic</td>
<td>electromechanical</td>
</tr>
<tr>
<td>electrical</td>
<td>electrolysis</td>
</tr>
<tr>
<td>electrode</td>
<td>electropiating</td>
</tr>
<tr>
<td>electromagnetic</td>
<td>electronically</td>
</tr>
<tr>
<td>electron</td>
<td>electronics</td>
</tr>
<tr>
<td>electrically</td>
<td>electroluminescence</td>
</tr>
<tr>
<td>electrolyte</td>
<td>electrophoresis</td>
</tr>
<tr>
<td>electrostatic</td>
<td>electrophoretic</td>
</tr>
<tr>
<td>electro</td>
<td>electrodeposition</td>
</tr>
<tr>
<td>electrochemical</td>
<td>electrosurgical</td>
</tr>
<tr>
<td>electrolytic</td>
<td>electromagnet</td>
</tr>
<tr>
<td>electricity</td>
<td>electroless</td>
</tr>
<tr>
<td>electrodes</td>
<td>electrochromic</td>
</tr>
</tbody>
</table>
3.

<table>
<thead>
<tr>
<th>Stemming analyzer</th>
</tr>
</thead>
<tbody>
<tr>
<td>analyzing</td>
</tr>
<tr>
<td>analyzer</td>
</tr>
<tr>
<td>analyze</td>
</tr>
<tr>
<td>analyzers</td>
</tr>
<tr>
<td>analyzed</td>
</tr>
<tr>
<td>analyzes</td>
</tr>
<tr>
<td>analysis</td>
</tr>
<tr>
<td>analyzeable</td>
</tr>
</tbody>
</table>
4. Stemming car

<table>
<thead>
<tr>
<th>Stemming cell</th>
<th>Wildcard cell*</th>
</tr>
</thead>
<tbody>
<tr>
<td>cell</td>
<td>cell</td>
</tr>
<tr>
<td>cells</td>
<td>cells</td>
</tr>
<tr>
<td>celled</td>
<td>cellular</td>
</tr>
<tr>
<td>ceiling</td>
<td>cellulose</td>
</tr>
</tbody>
</table>

5. Stemming car

<table>
<thead>
<tr>
<th>Stemming cell</th>
<th>Wildcard cell*</th>
</tr>
</thead>
<tbody>
<tr>
<td>cell</td>
<td>cell</td>
</tr>
<tr>
<td>cells</td>
<td>cells</td>
</tr>
<tr>
<td>celled</td>
<td>cellular</td>
</tr>
<tr>
<td>ceiling</td>
<td>cellulose</td>
</tr>
</tbody>
</table>

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>cellulotic</td>
</tr>
<tr>
<td></td>
<td>cellulase</td>
</tr>
<tr>
<td></td>
<td>cellphone</td>
</tr>
</tbody>
</table>
VII. MISCELLANEOUS EXERCISE

1. After performing the search, save your query making sure you untick the Private query box and then in the Saved Queries, the RSS button is available:
2. a. Using the Field combination and selecting English Title or using the Advanced Search interface and entering EN_TI, type the keywords interactive and watch linked with the operator NEAR followed by 8. In the result list, click the graph button to select China in the Offices column and Google in the Applicant column.

b. 3. Using the Field combination and selecting English Title or using the Advanced Search interface and entering EN_TI, type the keywords interactive and watch linked with the operator NEAR followed by 8. In the result list, click the graph button to select China in the Offices column and Google in the Applicant column.

4. 559,522

Nature – Wikipedia – MDPI
6. No (...) were used therefore the search would be performed in all fields which is not supported

7. • Access chemical searches
   • Save preferred settings and queries
   • Higher number of wildcards
   • Download result list and documents
Cross-Lingual Expansion (CLIR) = finds synonyms, translates and build query in PATENTSCOPE
WIPOPearl = terminology portal with direct access to PATENTSCOPE for a searched keyword
15. a. using the supervised mode in order to select the technical domains and the IPCs related to boats
VIII. AMEND THE QUERY EXERCISES

1. **ZH_AB:** (机器人 OR 机械手 OR 机器人车 OR 水下机器 OR 先人)
2. **EN_DE:** (electric* OR elect* OR suppor* OR supp* OR stan* OR stand* OR found* OR carri* OR carri*)
3. **FP:** ((water OR fluid) AND (support AND electric) OR hydrosupport)
4. **EN_AB:** (CHEM:((IKHGUXGNUITLKFIUHFFFAOYSA-N)) AND EN_AB:(MOLLUSCICIDE) CHEM:((IKHGUXGNUITLKFIUHFFFAOYSA-N)) AND EN_AB:(MOLLUSCICIDE)
5. CHEM:((I OAKJQQAXSVQMHS-UHFFFAOYSA-N BEFORE1000 description) AND (claims BEFORE1000 OAKJQQAXSVQMHS-UHFFFAOYSA-N))
6. **EN_AB:** (apparatus NEAR4 (blood AND pressure)) – so that the search retrieves documents about apparatus for measuring blood pressure
7. **CPC:PCT AND LI:1 and TPO:1**
8. **EN_DE:** (SOLAR AND WIND AND TURBINE) – so that the search retrieves all keywords in the English description
9. **EN_CL:** (electric bicycle AND CTR:US
10. **EN_CL:** (electricity AND generation AND conversion AND dynamo electric machines)

IX. CHEMICAL SEARCHES EXERCISES

1. a. antibody sequence ✗
   b. CAS name ✓
   c. enantiomer ✓
   d. polymer ✗
   e. peptide ✗
   f. protein sequence ✗
   g. monomer ✓
4. CHEN (RU/VA/NP/JG; U-HIFIAOYSA/N AND HFINW/SXCMKRO-U-HIFIAOYSA/N AND ESYNYMIUTXIBG-U-HIFIAOYSA/N)

5. CHEM (SUBG/TA/BK/RQ; PIC/CSPR/A/N) AND DP[2012 TO 2002]

6. CHEM (UE/SA/NP; U-HIFIAOYSA/N) AND DP[2012 TO 2002]
a.

**CHEM (NOKOUXONUIFK.UHFFAOYISA.N) AND EN_AB molluscicide**

1. 10447251
   **MOLLUSCIDOE COMPOSITION CONTAINING METALHYDE AND THAMNETIC BENZilate**
   
   Inventor: AIIINAI KAIYWI INOAI
   
   The invention discloses a molluscicide composition containing metaldehyde and thamnetic benzilate, and belongs to the field of chemical prevention and treatment. The molluscicide composition comprises the following effective components: metaldehyde, thamnetic benzilate, and a surfactant. The mole ratio of metaldehyde to thamnetic benzilate is 1:3 to 1:1. The field experiment shows that different dosage forms of these two compounds have the very good control efficiency on the chilo suppressalis, the control efficiency of the metaldehyde composition on the chilo suppressalis after seven days is over 99%, and the control efficiency of the thamnetic benzilate composition on the chilo suppressalis after 14 days is over 87%, and is already higher than that of a common agent metaldehyde. The metaldehyde composition disclosed by the invention has the characteristics of significant synergistic effects, good control efficiency, low amount and the like, is suitable for agricultural use and environmental protection. It is particularly applicable for killing insects such as chilo suppressalis and the like entomological vectors.

2. 2015151406177
   **MOLLUSCIDOE COMPOSITION**
   
   Inventor: KUAI ONAI KIYUIA KAI
   
   In order to improve efficacy and ecological properties of the molluscicide it further comprises formaldehyde. The invention relates to the preparation of a composite composition comprising such a composition, as well as a method and use of such a composition. The molluscicide composition in the molluscicide composition comprising the molluscicide composition is composited in 75% of ethanol water to be used as an extended period in agricultural, horticultural and ornamental environments.

b.

**JA 484 (GOMUSUDE) AND CHEM (NOKOUXONUIFK.UHFFAOYISA.N) AND EN_AB molluscicide**

1. 20120101689
   **EXTERMINATION EFFECT REINFORCING AGENT FOR MOLLUSCIDOE**
   
   Inventor: AIKAI KIYUIAI KAI
   
   The present invention relates to a molluscicide composition comprising formaldehyde and a surfactant, and belonging to the field of chemical prevention and treatment. The molluscicide composition comprises the following effective components: formaldehyde and surfactant. The field experiment shows that the formaldehyde composition is effective in controlling 75% of the molluscicide composition within 14 days.

2. 20070512487
   **EXTERMINATION EFFECT ON FUNGICIDE AND EN_AB molluscicide**
   
   Invention: KAI KAIKAI KAI
   
   The invention relates to a molluscicide composition comprising formaldehyde and surfactant, and belongs to the field of chemical prevention and treatment. The molluscicide composition comprises the following effective components: formaldehyde and surfactant. The field experiment shows that the molluscicide composition is effective in controlling 75% of the molluscicide composition within 14 days.

7.
c.

1. WO2011/078779 SUBSTITUTED BENZAMIDE DERIVATIVES

1.

2. 20220066134 SUBSTITUTED BENZAMIDES

05 - 15.07.2022

8.

9.

ENUM: (QGZKDFVQNNGYKY-UHFFFAOYSN-A-N)

9.

ANALYSIS