



Report on IPC-related IT systems

IPC Committee of Experts 46

Geneva
February 26, 2014

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Agenda

- IPCRECLASS
- IPCPUB and the FIPCPC project

IPC RECLASS

New functionalities since IPC CE 45:

- Default transfer (for stage 3 reclassification)
- More permissive RL/ patent family matching algorithm
- Candidates for de-activation + de-activation in bulk
- IPC reclassification web service (documentation at the end of the on-line help)

IPC RECLASS

New functionalities since IPC CE 45:

- Initial number of families to be reclassified
- Statistics about reclassification status:
 - per IPC revision,
 - per project,
 - per office

IPCRECLASS

Perspectives:

- Several functionalities e.g. Comments on project [CE446](#) could be reconsidered in the framework of a possible project transferring responsibility of the MCD management from EPO to WIPO

IPC internet publication platform IPCPUB

the FIPCPC project phase 1:

- Search enhancement
 - Extended term search,
 - STATS search
 - Software package V4.1 for offices

- Completed at the end of November 2013

IPC internet publication platform IPCPUB

the FIPCPC project phase 2:

- Target: IPC driven display of CPC or FI subdivisions =>
 - no Section Y, no 2000 series
 - no CPC notes nor warnings
- Option of the IPCPUB,
- CPC and FI XML converted into IPC-like XML where possible
- Link to CPC PDF definitions (subclass level)

FIPCPC project phase 2

CPC XML to IPC like conversion:

- Issues in the IPC part of the CPC XML
 - Text Differences with IPC above CPC only symbols (pure IPC)
 - Text differences with IPC in what is tagged as «IPC»
- Transitional solution: the IPC part of the CPC view is taken from the official IPC + disclaimer

FIPCPC project phase 2

CPC XML to IPC-like XML conversion preliminary

Findings:

- Use of the CPC to IPC concordance table
- Before extraction: 257 K CPC entries
 - - 95 K symbols ignored: section Y and 2000 series
 - ~ **6 K CPCs rejected**: IPC XML incompatibilities
 - 548 CPC to IPC 2014.01 concordance issues
 - 1 K CPC branches (node + subdivisions)
- After conversion: **85K additional CPC subdivisions** of the IPC

FIPCPC project phase 2

FI XML to IPC-like XML conversion preliminary

Findings:

- Before extraction: **190 K FI symbols** (concordances)
 - Few FI symbols rejected due to incompatibilities with IPC XML:
 - 1 FI to IPC 2014.01 concordance issue
 - 146 symbols rejected

- After conversion: **120K additional FI subdivisions** of the IPC

FIPCPC project phase 2: demo

WIPO IP SERVICES International Patent Classification (IPC) Official Publication

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WORLD INTELLECTUAL PROPERTY ORGANIZATION

IPC Home Page - Help

Version: 2014.01

Current symbol: B29C 67/20

Language: English (selected), French, English/French

View mode: Full (selected), path, hierarchic

Search: Terms, Cross-references

Assistance: STATS, Text categorization (IPCCAT)

Number of displayed entries: 500

Last modified: 2014.02.25

Prepared with IPCPUBPREP v.5.0

Scheme	RCL	Compilation	Catchwords
<input checked="" type="checkbox"/> CPC	B29C 67/20		· for porous or cellular articles, e.g. of foam plastics , coarse-pored [4]
<input checked="" type="checkbox"/> CPC	B29C 67/24		· characterised by the choice of material [4]
<input checked="" type="checkbox"/> CPC	B29C 69/00		Combinations of shaping techniques not provided for in a single one of main groups B29C 39/00-B29C 67/00, e.g. associations of moulding and joining techniques; Apparatus therefor [4]
<input checked="" type="checkbox"/> CPC	B29C 69/02		· of moulding techniques only [4]
<input checked="" type="checkbox"/> CPC	B29C 70/00		Shaping composites, i.e. plastics material comprising reinforcements, fillers or preformed parts, e.g. inserts (chemical aspects C08, e.g. C08J 9/00) [6]

Note(s)

In this group, the following terms or expressions are used with the meanings indicated: [6]

- "reinforcement" means a structure in the form of fibres, wires, rods, bars, sections, plates or blocks, which improves the strength of an article; [6]
- "filler" means a relatively inert substance in the form of particles, powder, beads, flakes or spheres, which improves the physical properties or increases the bulk or weight of an article; [6]
- "preformed part" means a part made of any **material**, being completely shaped to have a determined form and which is not used as a reinforcement, e.g. wires or nets forced only into the surface of an article; [6]
- "insert" means a preformed part incorporated in an article during moulding. [6]

<input checked="" type="checkbox"/> CPC	B29C 70/02		· comprising combinations of reinforcements and fillers incorporated in matrix material , forming one or more layers, with or without non-reinforced or non-filled layers [6]
<input checked="" type="checkbox"/> CPC	B29C 70/04		· comprising reinforcements only, e.g. self-reinforcing plastics [6]
<input checked="" type="checkbox"/> CPC	B29C 70/06		· Fibrous reinforcements only [6]
<input checked="" type="checkbox"/> CPC	B29C 70/08		· · · comprising combinations of different forms of fibrous reinforcements incorporated in matrix material , forming one or more layers, with or without non-reinforced layers [6]
<input checked="" type="checkbox"/> CPC	B29C 70/10		· · · characterised by the structure of fibrous reinforcements [6]
<input checked="" type="checkbox"/> CPC	B29C 70/12		· · · · using fibres of short length, e.g. in the form of a mat [6]
<input checked="" type="checkbox"/> CPC	B29C 70/14		· · · · · oriented (oriented filler material B29C 70/62) [6]
<input checked="" type="checkbox"/> CPC	B29C 70/16		· · · · using fibres of substantial or continuous length [6]
<input checked="" type="checkbox"/> CPC	B29C 70/18		· · · · · in the form of a mat, e.g. sheet moulding compound (SMC) [6]
<input checked="" type="checkbox"/> CPC	B29C 70/20		· · · · · oriented in a single direction, e.g. roving or other parallel fibres [6]
<input checked="" type="checkbox"/> CPC	B29C 70/22		· · · · · oriented in at least two directions forming a two dimensional structure [6]
<input checked="" type="checkbox"/> CPC	B29C 70/24		· · · · · oriented in at least three directions forming a three dimensional structure [6]
<input checked="" type="checkbox"/> CPC	B29C 70/26		· · Non-fibrous reinforcements only [6]
<input checked="" type="checkbox"/> CPC	B29C 70/28		· · Shaping operations therefor [6]

Note(s)

1. This group covers: [6]
 - the shaping of coherent fibrous reinforcements which are pre-impregnated or without binder, or of non-coherent reinforcements of fibres placed in a mould or on a support; [6]
 - the impregnation or introduction of a **plastics** matrix in reinforcements during shaping. [6]

FIPCPC project phase 2: demo



IPC Home Page - Help

Version

2014.01

Current symbol

B29C 65/00

Go to

Language

English

French

English/French

View mode

path

full

hierarchic

Show CPC/FI

Deleted entries

Subclass indexes

Guidance Headings

Notes

Search

Terms

Cross-references

Assistance

STATS

Text categorization (IPCCAT)

Number of displayed entries

500

Last modified: 2014.02.25

Prepared with IPCPUBPREP v 5.0

Scheme	RCL	Compilation	Catchwords
<input checked="" type="checkbox"/> CPC	B29C 65/78		Means for handling the parts to be joined, e.g. for making containers or hollow articles [4]
<input checked="" type="checkbox"/>	B29C 65/80		Rotatable transfer means [4]
<input checked="" type="checkbox"/> CPC	B29C 65/82		Testing the joint [4]
<input checked="" type="checkbox"/> CPC	B29C 67/00		Shaping techniques not covered by groups B29C 39/00-B29C 65/00, B29C 70/00 or B29C 73/00 [6]
<input checked="" type="checkbox"/>	B29C 67/02		Moulding by agglomerating [4]
<input checked="" type="checkbox"/>	B29C 67/04		Sintering (combined with compression, B29C 43/00) [4]
<input checked="" type="checkbox"/>	B29C 67/06		Coagulating [4]
<input checked="" type="checkbox"/>	B29C 67/08		Screen moulding, e.g. forcing the moulding material through a perforated screen on to a moulding surface [4]
<input checked="" type="checkbox"/> CPC	B29C 67/20		for porous or cellular articles, e.g. of foam plastics , coarse-pored [4]
	B29C 67/202		comprising elimination of a solid or a liquid ingredient
	B29C 67/205		comprising surface fusion, and bonding of particles to form voids, e.g. sintering
	B29C 67/207		comprising impregnating expanded particles or fragments with a binder
	B29C 67/20 A		Boring
	B29C 67/20 B		Perforation by elongation
	B29C 67/20 C		Perforation by stirring
	B29C 67/20 D		Sintering
	B29C 67/20 E		Binding of foaming particles or foaming chips, e.g. binding by a binder; refoaming B 29 C 67/22
	B29C 67/20 F		containing the fibre or filler agent
	B29C 67/20 P		Post-treatment
	B29C 67/20 Q		Press
	B29C 67/20 R		Impregnation
	B29C 67/20 Z		Others
<input checked="" type="checkbox"/> CPC	B29C 67/24		characterised by the choice of material [4]
<input checked="" type="checkbox"/> CPC	B29C 69/00		Combinations of shaping techniques not provided for in a single one of main groups B29C 39/00-B29C 67/00, e.g. associations of moulding and joining techniques; Apparatus therefor [4]
<input checked="" type="checkbox"/> CPC	B29C 69/02		of moulding techniques only [4]
<input checked="" type="checkbox"/>	B29C 70/00		Shaping composites, i.e. plastics material comprising reinforcements, fillers or preformed parts, e.g. inserts (chemical aspects C08, e.g. C08J 5/00) [6]
	Note(s)		In this group, the following terms or expressions are used with the meanings indicated: [6] <ul style="list-style-type: none">"reinforcement" means a structure in the form of fibres, wires, rods, bars, sections, plates or blocks, which improves the strength of an article; [6]"filler" means a relatively inert substance in the form of particles, powder, beads, flakes or spheres, which improves the physical properties or increases the bulk or weight of an article; [6]"preformed part" means a part made of any material, being completely shaped to have a determined form and which is not used as a reinforcement, e.g. wires or nets forced only into the surface of an article; [6]"insert" means a preformed part incorporated in an article during moulding. [6]
<input checked="" type="checkbox"/> CPC	B29C 70/02		comprising combinations of reinforcements and fillers incorporated in matrix material , forming one or more layers, with or without non-reinforced or

FIPCPC project phase 2

Demonstration of the Beta version:

- CPC + FI XML converted and uploaded
- With temporary limitations e.g. Full view only
- Examples:
 - CPC A01G 21/00 (under IPC A01F 25/00)
 - under IPC B29C 65/00 :longest CPC chunk (744)
 - G11B 3/00 :CPC + FI
 - A01N 47/30 :FI figures
 - under IPC G01R 33/56: G01R 33/5608 (biggest title)

IPC internet publication platform IPCPUB

Perspectives:

- FIPCPC Phase 2 - beta release available for internal testing: March 2014
- Testing by offices (test URL): Mid March- Mid April 2014
- IPCPUB package V 5.x and production use : April 2014
- IPCPUB V 5.x for IPC 2015.01 early pub

IPC internet publication platform IPCPUB

Perspectives:

- Review of comments on project [CE447](#)

IT operations and support for IPC

Questions?

