

# Cooperative Patent Classification (CPC)

## Epoque Net



**Pierre HELD**

Directorate Classification, EPO

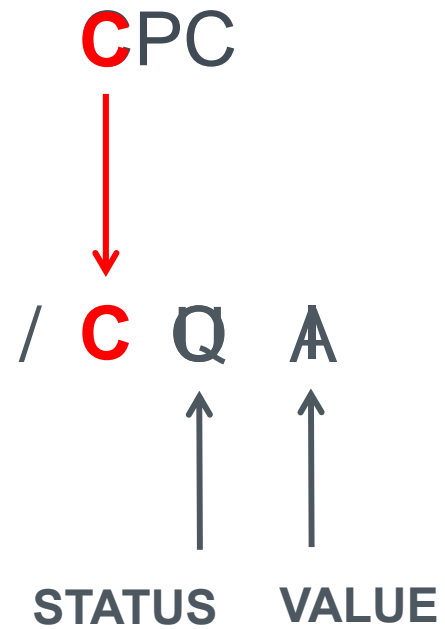
F16G5/14

with reinforcement bonded to the static net

# CPC in EPOQUE Net

Searching with CPC symbols

## Searching with CPC symbols in EPODOC



Two dimensions

# Confirmed, Unreviewed and Raise-Hand

## Confirmed (C)

- Symbol allocated by an **authorised EPO classifier** or by a **USPTO classifier** in those technical fields wherein the USPTO is considered to be equivalent to an authorised EPO classifier

## Unreviewed (U)

- Symbol allocated by a **unauthorised EPO classifier** or by a **USPTO classifier** in those technical fields wherein the USPTO is considered to be equivalent to an unauthorised EPO classifier

## Raise-Hand (Q)

- Symbol which has been "deleted" by an EPO authorised classifier, and
- is waiting for agreement of the UPSTO partners to delete it really, or to have it restored by the EPO
  - it works like the "recycle bin" of your computer desktop

# Invention, Additional

Search for subject-matter **classified** as:

- **Invention Information (I)**
  - main trunk
- **Additional Information (A)**
  - main trunk, 2000 series or Y section

## More "flavours" → more fields in EPODOC

FIELD	INDEX	MEANING
/CCI	/CC	CPC single symbol, <b>C</b> onfirmed, <b>I</b> nvention information
/CCA		CPC single symbol, <b>C</b> onfirmed, <b>A</b> dditional information
/CUI	/CU	CPC single symbol, <b>U</b> nreviewed, <b>I</b> nvention information
/CUA		CPC single symbol, <b>U</b> nreviewed, <b>A</b> dditional information
/CQI	/CQ	CPC single symbol, Raise-Hand (" <b>Q</b> uestioned"), <b>I</b> nvention Information
/CQA		CPC single symbol, Raise-Hand (" <b>Q</b> uestioned"), <b>A</b> dditional information

## CPC from National Offices: CNO fields

FIELD	INDEX	MEANING
/CNOI	/CNO	CPC single symbols, <b>N</b> ational <b>O</b> ffice, <b>I</b> nvention information
/CNOA		CPC single symbols, <b>N</b> ational <b>O</b> ffice, <b>A</b> dditional information

## Indexes to simplify search (cont'd)

INDEX	FIELDS
/CC	/CCI /CCA
/CU	/CUI /CUA
/CQ	/CQI /CQA
/C	/CC /CU /CQ = /CCI /CCA /CUI /CUA /CQI /CQA
/CNI	/CI /CNOI = /CCI /CUI /CQI /CNOI
/CNA	/CA /CNOA = /CCA /CUA /CQA /CNOA
/CN	/CNI /CNA = /CCI /CUI /CQI /CNOI /CCA /CUA /CQA /CNOA



## ... and still more fields for Combination Sets

FIELD	INDEX	MEANING
/CLC	/CL	CPC Linked symbols, C onfirmed
/CLU		CPC Linked symbols, U nreviewed
/CLQ		CPC Linked symbols, Raise-Hand ("Q uestioned")

# Internal session (EPODOC)

? ..fi epodoc

Selected file: EPODOC

Search statement 1

? ..field

bi	bi	TEXT	basic index
de	de	TEXT	German text index
fr	fr	TEXT	French text index
olan	olan	TEXT	Other languages index
AB	BI	TEXT	Abstract of the invention in English
(ABEN)			
ABDE	DE	TEXT	Abstract of the invention in German
ABFR	FR	TEXT	Abstract of the invention in French
ABOL	OLAN	TEXT	Abstract of the invention (other languages)
AN	AN	CODE	Accession number
AP	AP	KW	Application number
CCA	C	KW	Single symbols, Confirmed, Additional Information
CCI	C	KW	Single symbols, Confirmed, Invention Information
CLC	CL	KW	Linked symbols, Confirmed
CLQ	CL	KW	Linked symbols, Raise-Hand by EPO
CLU	CL	KW	Linked symbols, Unreviewed
CNOA	CNO	KW	National Office, Additional information
CNOI	CNO	KW	National Office, Invention information
CQA	C	KW	Single symbols, Raise-Hand by EPO, Additional Information
CQI	C	KW	Single symbols, Raise-Hand by EPO, Invention Information
CST	CST	TEXT	Classification status
(ECST)			
CT	CTP	KW	Patents cited in the search report
CTNP	CTL	TEXT	Literature cited in the search report
CTSI	CTSI	TEXT	Citation set information
CUA	C	KW	Single symbols, Unreviewed, Additional Information
CUI	C	KW	Single symbols, Unreviewed, Invention Information
DPK	DPK	KW	DPK classification
DT	DT	KW	Document type

# Reproducing the ECLA/ICO picture

- Search can still be performed in EPODOC by using fields /EC, /ICO and /ECNO
- Fields for CPC "invention information" and "additional information" have been created to mirror the /EC and /ICO fields

## Internal session (EPODOC)

? C02F1/46104/ccI

\*\* SS 4: Results 155

Search statement 5

? ..li 1

1/155 - (C) EPODOC / EPO

PN - EP2518021 A1 20121031

PR - JP20090296082 20091225; WO2010JP70678 20101119

AP - EP20100839111 20101119

DT - \*

CCI - C02F1/46104

CCA - C02F2201/002

EC - C02F1/461B

ICO - M02F201/00D

PA - MORINAGA MILK INDUSTRY CO LTD [JP]

**BUT !**

ECLA will soon be ...

**DECOMMISSIONED!**



- **Since 1 April 2013,**  
ECLA  $\leftrightarrow$  CPC mapping not available in revised areas
- **Plan: Decommission ECLA from 1 November 2014**  
ECLA  $\leftrightarrow$  CPC mapping will not be available at all!
- **Public** Epoque preparations will be **migrated** by EPO
- Update your **private** Epoque preparations!  
Preparations using EC/ICO will not work properly after 1 November 2014 – contact us if you need support.

## Internal session (EPODOC)

? C02F1/46104/ccI  
\*\* SS 4: Results 155

Search statement 5

? ..li 1

1/155 - (C) EPODOC / EPO

PN - EP2518021 A1 20121031

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DT - \*

CCI - C02F1/46104

CCA - C02F2201/002

EC - C02F1/461B

ICO - M02F201/00D

PA - MORINAGA MILK INDUSTRY CO LTD [JP]

Not anymore after 1 November 2014!



# /LOW in Internal

## [SS 2] ..fi cpc

Database: CPC  
 Description: Cooperative Patent Classification  
 Records: 250.021  
 Terms: 1.055.330  
 Last Update: 02/12/13

### [CPC: SS 1] G06F12/12/CC/LOW

Results in CPC **9**

## [SS 2] ..LI



### 1/9 © CPC / EPO

CC - **G06F12/12** ...  
 TI - Replacement control

### 2/9 © CPC / EPO

CC - **G06F12/121** ....  
 TI - {using a replacement algorithm}

### 3/9 © CPC / EPO

CC - **G06F12/122** .....  
 TI - {of the least frequently used type, e.g. with individual count value}

### 4/9 © CPC / EPO

CC - **G06F12/123** .....  
 TI - {with an age list, e.g. queue, MRU-LRU list}

## [SS 2] ..FI ECLA

Database: ECLA  
 Description: EPO Classification  
 Records: 412.497  
 Terms: 1.874.565  
 Last Update: 16/11/12



### [ECLA: SS 1] G06F12/12/EC/LOW

Results in ECLA **9**

## [SS 2] ..LI



### 1/9 © ECLA / EPO

EC - **G06F12/12** ...  
 TI - Replacement control

### 2/9 © ECLA / EPO

EC - **G06F12/12B** .....  
 TI - [N: using a replacement algorithm]

### 3/9 © ECLA / EPO

EC - **G06F12/12B2** .....  
 TI - [N: of the least frequently used type, e.g. with individual count value]

### 4/9 © ECLA / EPO

EC - **G06F12/12B4** .....  
 TI - [N: with an age list, e.g. queue, MRU-LRU list]

# +Cla

**A01M** CATCHING OR TRAPPING OF ANIMALS (apiculture [A01K4](#)  
 DESTRUCTION OF NOXIOUS ANIMALS OR NOXIOUS PLANTS (herbicides, [B64D1/16](#) )

- note:

in this subclass, terms "killing" and "destruction" cover

- [A01M1/00](#) Stationary means for catching or killing insects ( {
- [A01M1/02](#) • with devices {or substances, e.g. food, pheromone
- [A01M1/023](#) • • {Attracting insects by the simulation of a living insect
- [A01M1/026](#) • • {combined with devices for monitoring insects
- [A01M1/04](#) • • {Attracting insects by} using illumination {or
- [A01M1/06](#) • {Catching insects by} using a suction effect ( {
- [A01M1/08](#) • {Attracting and catching insects by} using combinations
- [A01M1/10](#) • {Catching insects by using} Traps ( {using suction
- [A01M1/103](#) • • { for crawling insects}
- [A01M1/106](#) • • { for flying insects}
- [A01M1/12](#) • • automatically reset
- [A01M1/14](#) • Catching by adhesive surfaces
- [A01M1/145](#) • • {Attracting and catching insects using combinations
- [A01M1/16](#) • • Fly papers or ribbons
- [A01M1/165](#) • • • {Hanging or fastening means}
- [A01M1/18](#) • • Adhesive bands or coatings for trees ( {protecting
- [A01M1/20](#) • Poisoning, narcotising, or burning insects ( {fumigating
- [A01M1/2005](#) • • {Poisoning insects using bait stations } ( {A01M1/2005
- [A01M1/2011](#) • • • { for crawling insects}
- [A01M1/2016](#) • • • { for flying insects}
- [A01M1/2022](#) • • {Poisoning or narcotising insects by vaporising
- [A01M1/2027](#) • • • {without heating}

1 CPC	2 ECLA	3 UCLA	4 CXCLA	5 ICLA	6 FICLA	7 WPICLA	8 IPC	9 FT
<input type="text"/>								<input type="button" value="Clear"/>
<input type="checkbox"/> CPC completed.								

# Fami/Refi

☐ FAMI of "EP2510179" Document (with National Classes) 4 documents found

PUBLICATION	KC Cit.	PUB-DATE	DT	EPO and National Classes
DE202011051394UU1	N	2011-10-13	*	CCI : <a href="#">E06C1/125</a> EC : <a href="#">E06C1/12A</a>
WO2012104238	A1 Y	2012-08-09	**	CCI : <a href="#">E06C1/125</a> : EC : <a href="#">E06C1/12A</a>
<b>EP2510179</b>	A1 N	2012-10-17	I	CCI : <a href="#">E06C1/125</a> B1 EC : <a href="#">E06C1/12A</a>
CN103492658	A N	2014-01-01	I	CCI : <a href="#">E06C1/125</a> : EC : <a href="#">E06C1/12A</a>


With National Classes

Document

Application

Priority

FAMI

FAMI+REFI

CLASS

Fami completed.

# XFull

**Create Set in EPODOC**

Combine with:  AND  
 OR

[Browse XFiles...]

**CC Invention**  CCI  CUI  CQI

**CC Additional**  CCA  CUA  CQA

**CC Linked**  CLC  CLU  CLQ

**EC**

**ICO**

**ECL**

**IC**

**FT**

**FI**

**UC**

**Free Query (EPOQUE Language)**



Not anymore after 1 November 2014!

**Thank you for your  
attention!**

[www.cpcinfo.org](http://www.cpcinfo.org)

[cpc@epo.org](mailto:cpc@epo.org)