

Cooperative Patent Classification (CPC)

IPC Committee of Experts



CPC Implementation Group

February 2012

F16G5/14



with reinforcement bonded by the plate

What is CPC?

- USPTO/EPO agreed to co-operate on a joint classification system derived from IPC-based ECLA (October 2010)
- USPTO to move from USPC to CPC; EPO to move from ECLA to CPC
- CPC planned to be bi-laterally operational at EPO and USPTO by end of December 2012



USPTO and EPO Work Toward Joint Patent Classification System

"In view of the significant benefit to stakeholders of developing a transparent and harmonized approach to a global classification system for patent documents; in order to make the search process more effective; and in the belief that cooperation between their two offices will facilitate progress in undertaking classification harmonization projects under the IP5 Common Hybrid Classification initiative, the USPTO and the EPO have agreed together to work toward the formation of a partnership to explore the development of a joint classification system based on the European Classification system (ECLA) that will incorporate the best classification practices of the two offices. This system would be aligned with the World Intellectual Property Organization (WIPO) classification standards and the International Patent Classification (IPC) structure. Accordingly, they have initiated discussions on governance and operational aspects of such a partnership.

The IP5 partner offices will be continually apprised of progress at appropriate IP5 forums. Stakeholders will receive regular updates on the substance and progress of classification partnership discussions between the two offices."

October 25, 2010



David J. Kappos



Benoît Battistelli

Transition from ECLA to CPC

- CPC will include:
 - **ECLA/ICO** subdivisions
 - **Keywords** first to **ECLA/ICO** and then to **CPC**
 - **USPTO special areas**, e.g. business methods, and special collections
 - **Hierarchical** structure of ECLA (dots)
 - Capability to **expand** (for future revisions)
 - **CPC Definitions** at least to the main group level
 - Allocations standard compatible with WIPO's **Standard 8**

Transition from ECLA to CPC

- **Conversion algorithm** from ECLA to CPC symbols:
CPC will use **IPC type numbering**; i.e. CPC symbols will not have any letter after the “/”, e.g. H01L21/02**A1H** will become H01L21/02**17**
- **Invention** and **Additional** information will be classified using CPC symbols

Conversion to CPC

Include IPC groups in CPC

IPC

H01L21/285

H01L21/288

→CPC

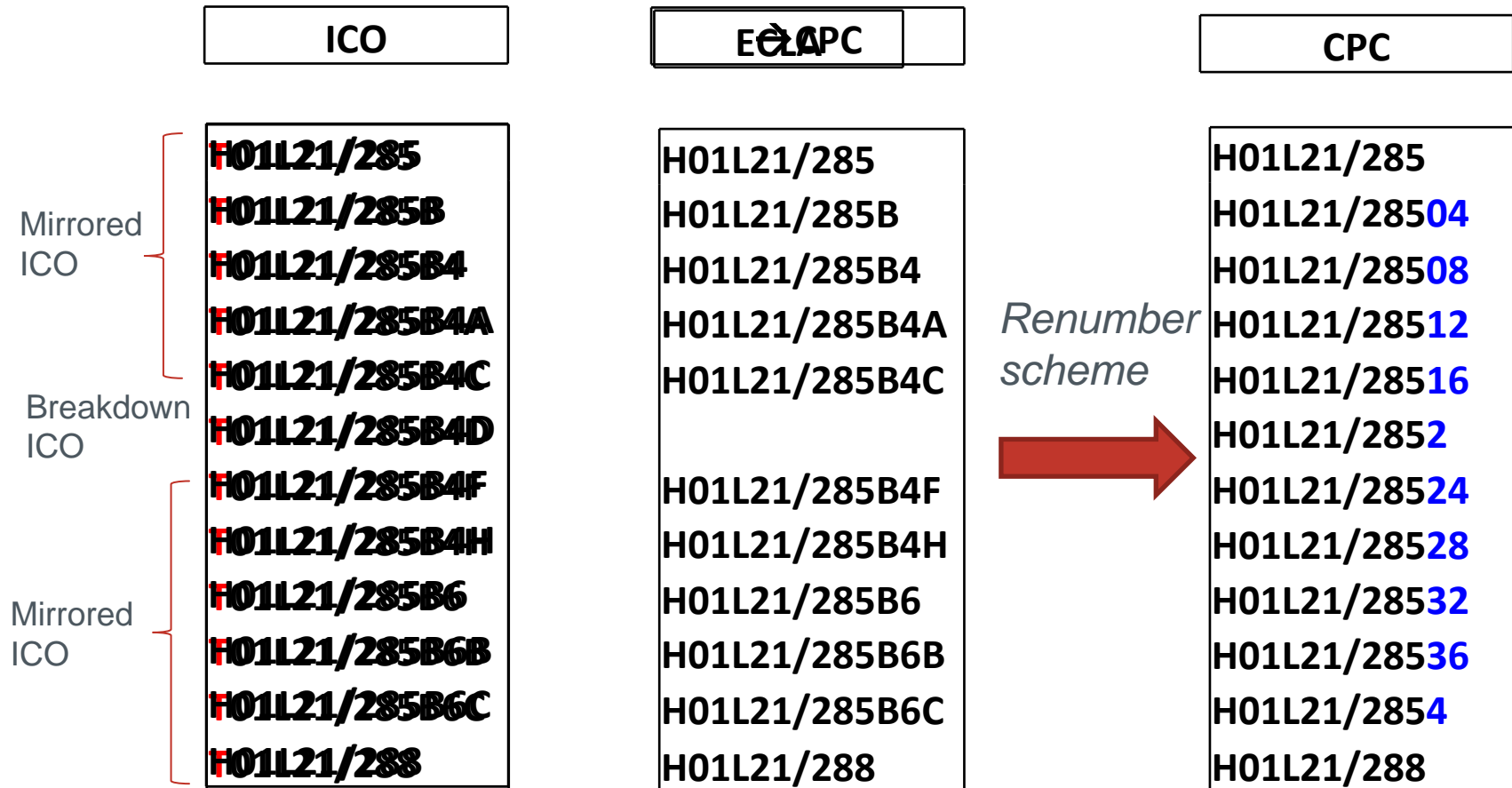
H01L21/285

H01L21/288

Conversion to CPC

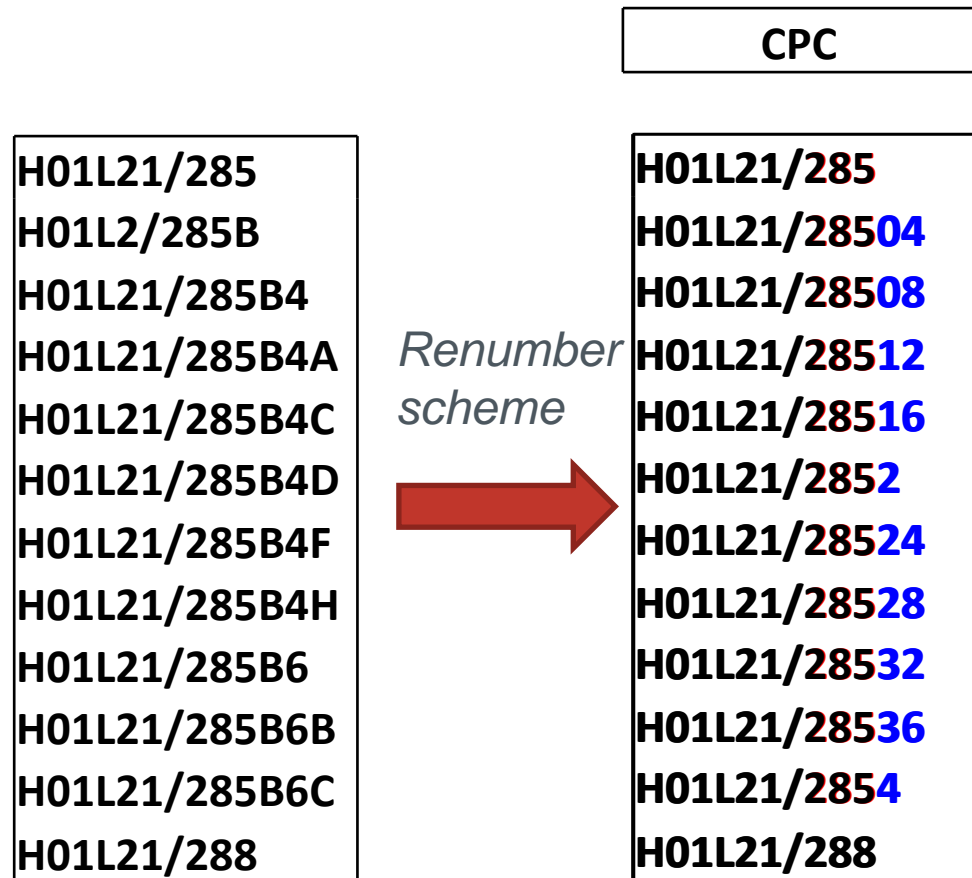
Include mirrored (& breakdowns) ICO groups in CPC

*Convert ICO Section symbol **T** to ECLA Section symbol **H***

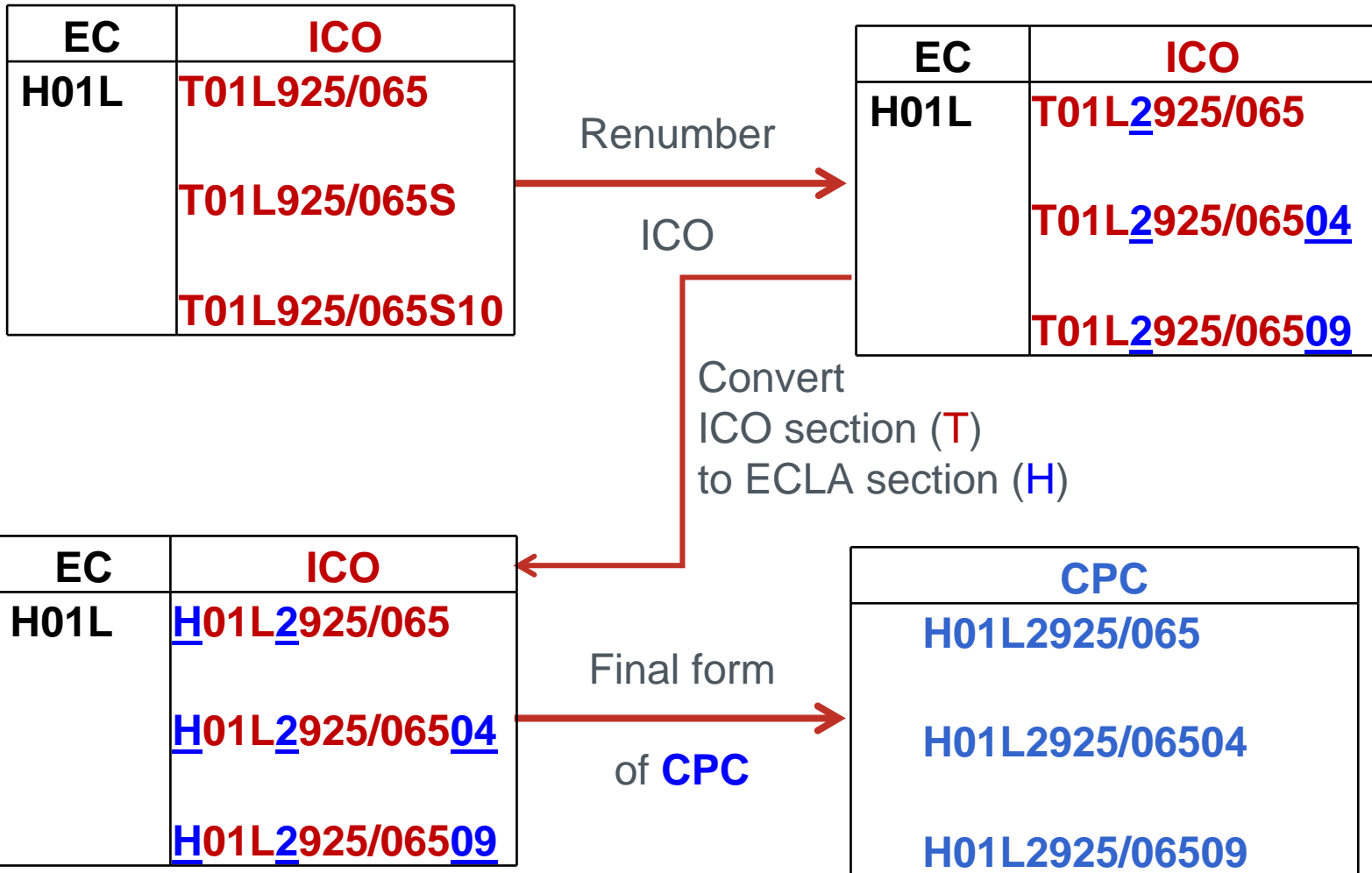


Conversion to CPC

- IPC part after the "/" remains visible: subdivision takes place while keeping the last digit of the corresponding IPC symbol



ICO codes – orthogonal → CPC 2000 series



Keywords → CPC 2000 series

EC	KW
B29C	c04900c2pb02 - corrugations
	c04900c2pb04 - constant wall thickness
	c04900c2pb06 - different wall thickness

Convert to

EC	ICO
B29C	L29C <u>8</u> 49/00 <u>43</u>
	L29C <u>8</u> 49/00 <u>46</u>
	L29C <u>8</u> 49/00 <u>49</u>

ICO

Convert to 2000 series +
ICO section (L)
to ECLA section (B)

EC	ICO
B29C	<u>B</u> 29C <u>2</u> 849/00 <u>43</u>
	<u>B</u> 29C <u>2</u> 849/00 <u>46</u>
	<u>B</u> 29C <u>2</u> 849/00 <u>49</u>

Final form

of CPC

CPC
B29C2849/0043
B29C2849/0046
B29C2849/0049

Final CPC Scheme

Classification

-
- H01L21/285
- H01L21/28504
- H01L21/28508
- H01L21/28512
- H01L21/28516
- H01L21/2852
- H01L21/28524
- H01L21/28528
- H01L21/28532
- H01L21/28536
- H01L21/2854
- H01L21/288

...

Indexing

-
- H01L2925/065 ...
- H01L2925/06504
- H01L2925/06508

...

Origin:

- IPC
- ECLA
- mirrored ICO
- breakdowns of mirrored ICO

Origin:

- orthogonal ICO
- ICO originating from KW

Thank you for your attention!

www.cpcinfo.org