

EUROPEAN PATENT OFFICE  
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1408

DATE: FEBRUARY 1, 2023

PROJECT MP11912

**The following classification changes will be effected by this Notice of Changes:**

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
<b>SCHEME:</b>		
Titles Changed:	C23D	SUBCLASS
	C23D	3/00
	C23D	5/00
Warnings Deleted:	C23D	SUBCLASS
<b>DEFINITIONS:</b>		
Definitions Modified:	C23D	Subclass
	C23D	3/00

**No other subclasses/groups are impacted by this Notice of Changes.**

**This Notice of Changes includes the following [Check the ones included]:**

1. CLASSIFICATION SCHEME CHANGES

- A. New, Modified or Deleted Group(s)
- B. New, Modified or Deleted Warning(s)
- C. New, Modified or Deleted Note(s)
- D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

- A. New or Modified Definitions (Full definition template)
- B. Modified or Deleted Definitions (Definitions Quick Fix)

3.  REVISION CONCORDANCE LIST (RCL)

4.  CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

5.  CHANGES TO THE CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

**SUBCLASS C23D - ENAMELLING OF, OR APPLYING A VITREOUS LAYER TO, METALS**

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of</u> <u>dots (e.g. 0, 1,</u> <u>2)</u>	<u>Title</u> <u>“CPC only” text should normally be</u> <u>enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	C23D	Subclass	ENAMELLING OF, OR APPLYING A VITREOUS LAYER TO, METALS	
M	C23D3/00	0	Chemical treatment of the metal surfaces prior to coating	
M	C23D5/00	0	Coating with enamels or vitreous layers	

\*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T = existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

- \*\*No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required “anchor” symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types.
- “Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “<administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or <administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.

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- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“T transferred to”) symbol, however it is required to specify “<no transfer>” in the “T transferred to” column for such cases.
- For finalization projects, the deleted “F” symbols should have <no transfer> in the “T transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

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B. New, Modified or Deleted Warning notice(s)

**SUBCLASS C23D - ENAMELLING OF, OR APPLYING A VITREOUS LAYER TO, METALS**

<b>Type*</b>	<b>Location</b>	<b>Old Warning notice</b>	<b>New/Modified Warning</b>
D	C23D	In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.	Delete the entire Warning

\*N = new warning, M = modified warning, D = deleted warning

NOTE: The "Location" column only requires the symbol PRIOR to the location of the warning. No further directions such as "before" or "after" are required.

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## 2. A. DEFINITIONS (modified)

### C23D

#### References

Delete: The entire Limiting references section.

Replace: The existing Informative references table with the following revised table.

#### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Layered products comprising a layer of metal	<a href="#">B32B15/00</a>
Enamel compositions	<a href="#">C03C8/00</a>
Glazes on ceramics	<a href="#">C04B41/00</a>
Organic coatings on metal	<a href="#">C09D</a> , <a href="#">B05D</a>
Ceramic coatings on metal	<a href="#">C23C4/00</a> , <a href="#">C23C24/00</a> , <a href="#">C23C26/00</a> , <a href="#">C23C28/00</a>
Coating with fused refractory layers	<a href="#">C23C4/10</a> , <a href="#">C23C24/10</a>

Replace: The existing Special rules of classification text with the following updated text.

#### Special rules of classification

Inorganic coatings on metal that are formed from the decomposition of precursors should be classified in [C23C18/00](#) and subgroups (for example sol-gels on metal are not classified in [C23D](#)).

When the process is only characterized by the composition of one enamel layer, then it should be classified in the composition groups ([C03C8/00](#) and subgroups).

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Some documents disclose "cold enamels", these are considered as paints, and should be classified in relevant classes ([C09D](#), [B05D](#), ...).

Some documents disclose enamel on ceramics, these should be considered as glazes and not enamels, they should be classified in [C04B41/00](#).

As silicon is not a metal (see CPC section [C](#)), no coating on silicon is classified in [C23D](#).

## **C23D 3/00**

### **Definition statement**

Replace: The term "Pretreatment" with "Pre-treatment" in the Definition statement.

Pre-treatment of metals when they are specific to enamelling.

### **References**

Delete: The entire Limiting references section.

Insert: The following new Informative references section.

### **Informative references**

*Attention is drawn to the following places, which may be of interest for search:*

Coating metallic material; Coating material with metallic material	<a href="#">C23C</a>
Non-mechanical removal of metallic material from surfaces; Inhibiting corrosion of metallic material	<a href="#">C23F</a>
Cleaning or de-greasing of metallic objects	<a href="#">C23G</a>