

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 251

DATE: AUGUST 1, 2016

PROJECT MP0205

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
Title wording change:	C23F	11/122 11/124 11/126 11/128 11/141 11/142 11/143 11/144 11/145 11/146 11/147 11/148 11/149 11/161 11/162 11/163 11/164 11/165 11/1673 11/1676 11/181 11/182 11/184 11/185 11/187 11/188

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 Notice(s)
 - C. New, Modified or Deleted Note(s)
 - D. New, Modified or Deleted Guidance Heading(s)

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2. DEFINITIONS (New or Modified)
 - A. DEFINITIONS (Full definition template)
 - B. DEFINITIONS (Definitions Quick Fix)
3. REVISION CONCORDANCE LIST (RCL)
4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
5. CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS C23F - NON-MECHANICAL REMOVAL OF METALLIC MATERIAL FROM SURFACE (working metal by laser beams B23K26/00; desurfacing by applying flames B23K7/00; working of metal by electro-erosion B23H; producing decorative effects by removing surface material, e.g. by engraving, by etching, B44C1/22; electrolytic etching or polishing C25F); INHIBITING CORROSION OF METALLIC MATERIAL OR INCRUSTATION IN GENERAL; MULTI-STEP PROCESSES FOR SURFACE TREATMENT OF METALLIC MATERIAL INVOLVING AT LEAST ONE PROCESS PROVIDED FOR IN CLASS C23 AND AT LEAST ONE PROCESS COVERED BY SUBCLASS C21D OR C22F OR CLASS C25.

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level</u> <u>Number of dots</u> <u>(e.g. 0, 1, 2)</u>	<u>Title</u> <u>(new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	C23F11/122	4	{Alcohols; Aldehydes; Ketones}	
M	C23F11/124	4	{Carboxylic acids}	
M	C23F11/126	5	{Aliphatic acids}	
M	C23F11/128	4	{Esters of carboxylic acids}	
M	C23F11/141	4	{Amines; Quaternary ammonium compounds}	
M	C23F11/142	5	{Hydroxy amines}	
M	C23F11/143	5	{Salts of amines}	
M	C23F11/144	4	{Aminocarboxylic acids}	
M	C23F11/145	4	{Amides; N-substituted amides}	
M	C23F11/146	4	{containing a multiple nitrogen-to-carbon bond}	
M	C23F11/147	4	{containing a nitrogen-to-oxygen bond}	
M	C23F11/148	4	{containing a nitrogen-to-nitrogen bond}	
M	C23F11/149	4	{Heterocyclic compounds containing nitrogen as hetero atom}	
M	C23F11/161	4	{Mercaptans}	
M	C23F11/162	4	{Thioaldehydes; Thioketones}	
M	C23F11/163	4	{Sulfonic acids}	
M	C23F11/164	4	{containing a -SO ₂ -N group}	
M	C23F11/165	4	{Heterocyclic compounds containing sulfur as hetero atom}	
M	C23F11/1673	4	{Esters of phosphoric or thiophosphoric acids}	
M	C23F11/1676	4	{Phosphonic acids}	
M	C23F11/181	3	{Nitrogen containing compounds}	
M	C23F11/182	3	{Sulfur, boron or silicon containing compounds}	
M	C23F11/184	3	{Phosphorous, arsenic, antimony or bismuth containing compounds}	

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Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
M	C23F11/185	3	{Refractory metal-containing compounds}	
M	C23F11/187	3	{Mixtures of inorganic inhibitors}	
M	C23F11/188	4	{containing phosphates}	

*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; E= 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).
- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme. 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 except "D" which requires only a symbol.
- #“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>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.