

CPC COOPERATIVE PATENT CLASSIFICATION

C CHEMISTRY; METALLURGY

(NOTES omitted)

METALLURGY

C23 COATING METALLIC MATERIAL; COATING MATERIAL WITH METALLIC MATERIAL; CHEMICAL SURFACE TREATMENT; DIFFUSION TREATMENT OF METALLIC MATERIAL; COATING BY VACUUM EVAPORATION, BY SPUTTERING, BY ION IMPLANTATION OR BY CHEMICAL VAPOUR DEPOSITION, IN GENERAL; INHIBITING CORROSION OF METALLIC MATERIAL OR INCRUSTATION IN GENERAL

(NOTES omitted)

C23D ENAMELLING OF, OR APPLYING A VITREOUS LAYER TO, METALS (chemical composition of the enamels [C03C](#))

WARNING

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.

<p>1/00 Melting or fritting the enamels; Apparatus or furnaces therefor</p> <p>1/02 . Granulating the melt; Drying the granules</p>	<p>13/00 After-treatment of the enamelled articles</p> <p>13/02 . Removing defects by local re-melting of the enamel; Adjusting the shape</p> <p>15/00 Joining enamelled articles to other enamelled articles by processes involving an enamelling step</p> <p>17/00 De-enamelling</p>
<p>3/00 Chemical treatment of the metal surfaces prior to coating (cleaning and de-greasing of metallic objects C23G)</p>	
<p>5/00 Coating with enamels or vitreous layers {(including applying fused refractory layers C23C 4/10, C23C 24/10)}</p> <p>5/005 . {by a method specially adapted for coating special objects}</p> <p>5/02 . by wet methods</p> <p>5/04 . by dry methods</p> <p>5/06 . producing designs or letters</p> <p>5/08 . Applying enamels non-uniformly over the surface</p> <p>5/10 . {with refractory materials}</p>	
<p>7/00 Treating the coatings, e.g. drying before burning</p>	

WARNING

Group [C23D 5/10](#) is no longer used for classification. Documents are in the state of being reclassified to [C23C 4/10](#) and [C23C 24/10](#).

Firing the enamels

<p>9/00 Ovens specially adapted for firing enamels</p> <p>9/02 . Non-electric muffle furnaces</p> <p>9/04 . Non-electric tunnel ovens</p> <p>9/06 . Electric furnaces</p> <p>9/08 . Supporting devices for burning-bars</p> <p>9/10 . Loading or unloading devices</p> <p>11/00 Continuous processes; Apparatus therefor</p>
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