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

1/00	Melting or fritting the enamels; Apparatus or
	furnaces therefor

1/02 • Granulating the melt; Drying the granules

Coating with the enamels

3/00	Chemical treatment of the metal surfaces prior to coating
5/00	Coating with enamels or vitreous layers
5/005	• {by a method specially adapted for coating special objects}
5/02	• by wet methods
5/04	• by dry methods
5/06	• producing designs or letters
5/08	. Applying enamels non-uniformly over the surface
5/10	• {with refractory materials}
	WARNING

Group <u>C23D 5/10</u> is no longer used for classification. Documents are in the state of being reclassified to <u>C23C 4/10</u> and <u>C23C 24/10</u>.

Firing the enamels

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

After-treatment

13/00	After-treatment of the enamelled articles
13/02	• Removing defects by local re-melting of the enamel; Adjusting the shape
15/00	Joining enamelled articles to other enamelled articles by processes involving an enamelling step
17/00	De-enamelling

^{7/00} Treating the coatings, e.g. drying before burning