

CPC COOPERATIVE PATENT CLASSIFICATION

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

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 ([cleaning and de-greasing of metallic objects C23G](#))

5/00 Coating with enamels or vitreous layers {([including applying fused refractory layers C23C 4/10, C23C 24/10](#))}

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 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](#).

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

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