

# 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**