

## SECTION C — CHEMISTRY; 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**

**C23D ENAMELLING OF, OR APPLYING A VITREOUS LAYER TO, METALS**

### Subclass index

TREATMENT PRIOR TO ENAMELLING.....1/00, 3/00  
 ENAMELLING.....5/00-11/00  
 AFTER-TREATMENT.....13/00, 15/00, 17/00

**1/00 Melting or fritting the enamels; Apparatus or furnaces therefor [1, 2006.01]**

1/02 • Granulating the melt; Drying the granules [1, 2006.01]

### Coating with the enamels

**3/00 Chemical treatment of the metal surfaces prior to coating [1, 2006.01]**

**5/00 Coating with enamels or vitreous layers [1, 4, 2006.01]**

5/02 • by wet methods [1, 2006.01]

5/04 • by dry methods [1, 2006.01]

5/06 • producing designs or letters [1, 2006.01]

5/08 • Applying enamels non-uniformly over the surface [1, 2006.01]

**7/00 Treating the coatings, e.g. drying before burning [1, 2006.01]**

### Firing the enamels

**9/00 Ovens specially adapted for firing enamels [1, 2006.01]**

9/02 • Non-electric muffle furnaces [1, 2006.01]

9/04 • Non-electric tunnel ovens [1, 2006.01]

9/06 • Electric furnaces [1, 2006.01]

9/08 • Supporting devices for burning-bars [1, 2006.01]

9/10 • Loading or unloading devices [1, 2006.01]

**11/00 Continuous processes for firing enamels; Apparatus therefor [1, 2006.01]**

### After-treatment

**13/00 After-treatment of the enamelled articles [1, 2006.01]**

13/02 • Removing defects by local re-melting of the enamel; Adjusting the shape [1, 2006.01]

**15/00 Joining enamelled articles to other enamelled articles by processes involving an enamelling step [1, 2006.01]**

**17/00 De-enamelling [1, 2006.01]**