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 (chemical composition of the enamels C03C)

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 (cleaning or de-greasing of metallic objects C23G) **[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]