

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

1/02 • Granulating the melt; Drying the granules

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

Coating with the enamels

3/00 Chemical treatment of the metal surfaces prior to coating (cleaning or de-greasing of metallic objects C23G)

5/00 Coating with enamels or vitreous layers [4]

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

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

11/00 Continuous processes for firing enamels; 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

Firing the enamels

9/00 Ovens specially adapted for firing enamels