

C23 COATING METALLIC MATERIAL; COATING MATERIAL WITH METALLIC MATERIAL (by metallising textiles D06M 11/83; decorating textiles by locally metallising D06Q 1/04); **CHEMICAL SURFACE TREATMENT; DIFFUSION TREATMENT OF METALLIC MATERIAL; COATING BY VACUUM EVAPORATION, BY SPUTTERING, BY ION IMPLANTATION OR BY CHEMICAL VAPOUR DEPOSITION, IN GENERAL** (for specific applications, see the relevant places, e.g. for manufacturing resistors H01C 17/06); **INHIBITING CORROSION OF METALLIC MATERIAL OR INCRUSTATION IN GENERAL** (treating metal surfaces or coating of metals by electrolysis or electrophoresis C25D, C25F) [2]

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

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

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 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

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