Title (en)

ELECTRODE FOR USE IN CATIONIC ELECTRODEPOSITION COATING AND COATING METHOD USING THE SAME.

Title (de)

ELEKTRODE UND VERFAHREN FÜR KATIONISCHE ELEKTROBESCHICHTUNG.

Title (fr)

ELECTRODE DESTINEE A ETRE UTILISEE DANS UN PROCEDE DE REVETEMENT PAR ELECTRODEPOSITION CATIONIQUE ET PROCEDE DE REVETEMENT UTILISANT CETTE ELECTRODE.

Publication

EP 0093174 A4 19831223 (EN)

Application

EP 82902376 A 19820805

Priority

- JP 11757481 U 19810807
- JP 11955681 U 19810812
- JP 11955781 U 19810812
- JP 12284881 A 19810805

Abstract (en)

[origin: EP0093174A1] Electrode for cationic electrodeposition coating, e.g., of automobiles, avoids elution reactions giving rise to oxygen, etc., but uses low cost materials. The electrode consists basically of an electrically conductive metal sintered body, pref. ferrite or magnetite. In an example, 5-40 mol.% of one or more types of Mo (M= Mn, Ni, Co, Mg, Cu, Zn or Cd) is mixed with 95-60 mol.% Fe2O3. The mixt. is heated 1-3 hr at 800-1000 deg.C in air and then cooled, pulverised, moulded to a required shape, sintered 3-5 hr at 1300-1400 deg.C in an atmos. of inert gas, e.g., N2 or CO2, contg. not more than 5 vol.% O2, and then cooled slowly in, eg., N2 or CO2 with low O2 content.

IPC 1-7

C25D 13/00

IPC 8 full level

C25D 13/00 (2006.01); **C25D 13/22** (2006.01)

CPC (source: EP)

C25D 13/22 (2013.01)

Cited by

CN107072358A; EP0392705A1; US5078850A; WO2005052216A3; US7235161B2; US7507322B2

Designated contracting state (EPC)

FR

DOCDB simple family (publication)

EP 0093174 A1 19831109; **EP 0093174 A4 19831223**; **EP 0093174 B1 19890111**; DE 3248932 C2 19841018; DE 3248932 T1 19831020; GB 2114158 A 19830817; GB 2114158 B 19860514; WO 8300511 A1 19830217

DOCDB simple family (application)

EP 82902376 A 19820805; DE 3248932 T 19820805; GB 8308854 A 19820805; JP 8200306 W 19820805