

Title (en)
COATING POWDER FOR THE ELECTROSTATIC COATING OF GLASS AND CERAMIC OR METALLIC SUBSTRATES, THE PRODUCTION AND USE THEREOF

Title (de)
BESCHICHTUNGSPULVER ZUM ELEKTROSTATISCHEN BESCHICHTEN VON GLAS SOWIE KERAMISCHEN UND METALLISCHEN SUBSTRATEN, SEINE HERSTELLUNG UND VERWENDUNG

Title (fr)
POUDRE DE REVETEMENT POUR LE REVETEMENT ELECTROSTATIQUE DE VERRE AINSI QUE DE SUBSTRATS CERAMIQUES ET METALLIQUES, SA PRODUCTION ET SON UTILISATION

Publication
EP 0984904 A1 20000315 (DE)

Application
EP 98929283 A 19980506

Priority
• DE 19722273 A 19970528
• EP 9802659 W 19980506

Abstract (en)
[origin: DE19722273A1] The invention relates to coating powders for the electrostatic coating of glass and ceramic or metallic substrates. According to the invention, the required high-specific electric volume resistance to electrostatically coat glass and ceramic or metallic substrates is achieved in the presence of a carboxylic by acid salt in a volume of 0.01 to 1 wt %. The coating powders preferably contain alkali salts, alkaline-earth salts or earth metal salts of carboxylic acids with 2 to 6 C-atoms. The resistance can be increased by 3 to 5 powers of ten. The inventive coating powders are used for glazing, slip painting and decorating glass and ceramic substrates as well as for enamelling metallic substrates.

IPC 1-7
C03C 17/00; **C03C 8/14**; **C03C 17/04**

IPC 8 full level
C03C 8/14 (2006.01); **C03C 8/16** (2006.01); **C03C 17/04** (2006.01); **C04B 41/50** (2006.01); **C04B 41/86** (2006.01); **C09D 5/03** (2006.01); **C09D 5/46** (2006.01); **C23D 5/04** (2006.01)

CPC (source: EP US)
C03C 8/14 (2013.01 - EP US); **C04B 41/009** (2013.01 - EP US); **C04B 41/5022** (2013.01 - EP US); **C04B 41/86** (2013.01 - EP US); **C09D 5/033** (2013.01 - EP US); **C23D 5/04** (2013.01 - EP US)

Citation (search report)
See references of WO 9854105A1

Designated contracting state (EPC)
DE ES FR GB IT NL PT

DOCDB simple family (publication)
DE 19722273 A1 19981203; BR 9809690 A 20000711; EP 0984904 A1 20000315; JP 2000516905 A 20001219; TR 199902889 T2 20000221; US 6270854 B1 20010807; WO 9854105 A1 19981203

DOCDB simple family (application)
DE 19722273 A 19970528; BR 9809690 A 19980506; EP 9802659 W 19980506; EP 98929283 A 19980506; JP 50014399 A 19980506; TR 9902889 T 19980506; US 42464000 A 20000105