

Title (en)

POWDER PAINT AND USE THEREOF FOR COATING THE INSIDE OF PACKAGING CONTAINERS

Title (de)

PULVERLACK UND DESSEN VERWENDUNG ZUR INNENBESCHICHTUNG VON VERPACKUNGSBEHÄLTERN

Title (fr)

PEINTURE EN POUDRE ET UTILISATION POUR LE REVETEMENT INTERIEUR DE CONTENANTS D'EMBALLAGE

Publication

**EP 0865472 A1 19980923 (DE)**

Application

**EP 96939074 A 19961116**

Priority

- DE 19545424 A 19951206
- EP 9605050 W 19961116

Abstract (en)

[origin: DE19545424A1] The present invention concerns a powder paint intended in particular for coating the inside of packaging containers and characterised in that: 1) it contains at least one polyhydroxy-functional resin with a hydroxyl number between 5 and 200 mg KOH/g and at least one polyisocyanate hardener with more than one isocyanate group per molecule; and 2) it has a grain size distribution such that at least 90 wt % of the powder particles are between 1 and 60 microns in size, the maximum particle size is not greater than 100 microns, the mean particle size is between 5 and 20 microns and the steepness of the grain distribution curve at the turning point is at least 100.

IPC 1-7

**C09D 175/04**; C09D 5/03; C08G 18/40; C08G 18/42; C08G 18/62; C08G 18/61; C08G 18/48

IPC 8 full level

**C08G 18/40** (2006.01); **C08G 18/42** (2006.01); **C08G 18/48** (2006.01); **C08G 18/61** (2006.01); **C08G 18/62** (2006.01); **C09D 5/03** (2006.01); **C09D 5/46** (2006.01); **C09D 175/04** (2006.01)

CPC (source: EP)

**C08G 18/40** (2013.01); **C08G 18/42** (2013.01); **C08G 18/48** (2013.01); **C08G 18/61** (2013.01); **C08G 18/6229** (2013.01); **C09D 175/04** (2013.01); **C08G 2150/20** (2013.01); **C08G 2390/40** (2013.01)

Citation (search report)

See references of WO 9720897A1

Designated contracting state (EPC)

AT BE DE ES FR GB IE IT NL PT SE

DOCDB simple family (publication)

**DE 19545424 A1 19970612**; BR 9611580 A 19990713; CA 2235763 A1 19970612; EP 0865472 A1 19980923; JP 2000502125 A 20000222; WO 9720897 A1 19970612

DOCDB simple family (application)

**DE 19545424 A 19951206**; BR 9611580 A 19980604; CA 2235763 A 19961116; EP 9605050 W 19961116; EP 96939074 A 19961116; JP 52090897 A 19961116