

Title (en)

ELECTRODEPOSITABLE COATING COMPOSITIONS AND RELATED METHODS

Title (de)

ELEKTROABLAGERBARE BESCHICHTUNGSZUSAMMENSETZUNGEN UND DAZUGEHÖRIGE VERFAHREN

Title (fr)

COMPOSITIONS DE REVÊTEMENT POUVANT ÊTRE ÉLECTRODÉPOSÉES, ET PROCÉDÉS APPARENTÉS

Publication

**EP 1948743 A2 20080730 (EN)**

Application

**EP 06851821 A 20060810**

Priority

- US 2006031133 W 20060810
- US 21317405 A 20050826

Abstract (en)

[origin: US2007045116A1] An electrodepositable coating composition is provided including a resinous phase and catalyst nanoparticles dispersed in an aqueous medium, the resinous phase including (a) at least one active hydrogen-containing, ionic salt group-containing resin; and (b) at least one curing agent; and the catalyst nanoparticles for effecting cure between the resin (a) and the curing agent (b). The catalyst nanoparticles have an average BET specific surface area greater than 20 square meters per gram ( $m^{2}/g$ ). Methods of preparing and using the composition also are provided.

IPC 8 full level

**C09D 5/44** (2006.01); **C09D 7/12** (2006.01)

CPC (source: EP US)

**C09D 5/4496** (2013.01 - EP US)

Citation (search report)

See references of WO 2008054353A2

Designated contracting state (EPC)

DE ES FR GB IT

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**US 2007045116 A1 20070301**; EP 1948743 A2 20080730; WO 2008054353 A2 20080508; WO 2008054353 A3 20080814; WO 2008054353 A9 20090723

DOCDB simple family (application)

**US 21317405 A 20050826**; EP 06851821 A 20060810; US 2006031133 W 20060810