

Title (en)
METHOD OF FORMING MULTILAYERED COATING FILM

Title (de)
VERFAHREN ZUM MEHRSCHICHTIGEN BESCHICHTUNGSFILM

Title (fr)
PROCEDE DE FORMATION DE FILMS DE REVETEMENT MULTICOUCHES

Publication
EP 1027938 A4 20040428 (EN)

Application
EP 98941831 A 19980911

Priority

- JP 9804099 W 19980911
- JP 24658197 A 19970911

Abstract (en)
[origin: EP1027938A1] There is disclosed a method of forming a multilayered coating film by coating a cationic electrodeposition paint, containing a blocked polyisocyanate compound as a crosslinking agent, forming an intermediate coating film by coating a water-based intermediate paint, containing a blocked polyisocyanate compound as a cross-linking agent, on the formed, electrodeposited coating film without curing said electrodeposited coating film, and then heating both coating films to form a multilayered coating film by curing both together, characterized by regulating so that the crosslinking curing reaction of said electrodeposited coating film starts earlier than the crosslinking curing reaction of said intermediate coating film. According to the method the finish appearance (smoothness, gloss etc.), interlaminar adhesion between both coating films of the multilayered coating film can be improved.

IPC 1-7
B05D 1/36; B05D 7/24; B05D 7/16

IPC 8 full level
B05D 7/00 (2006.01)

CPC (source: EP)
B05D 7/542 (2013.01)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 9912660A1

Cited by
CN106905509A; CN113278130A

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
EP 1027938 A1 20000816; EP 1027938 A4 20040428; CA 2303027 A1 19990318; WO 9912660 A1 19990318

DOCDB simple family (application)
EP 98941831 A 19980911; CA 2303027 A 19980911; JP 9804099 W 19980911