

Title (en)

TWO-COMPONENT WATERBORNE POLYURETHANE COATING

Title (de)

ZWEIKOMPONENTENPOLYURETHAN-BESCHICHTUNG AUF WÄSSRIGER BASIS

Title (fr)

REVETEMENT POLYURETHANNE A BASE AQUEUSE ET A DEUX CONSTITUANTS

Publication

**EP 0907673 A4 19991110 (EN)**

Application

**EP 97918640 A 19970407**

Priority

- US 9706251 W 19970407
- US 65693996 A 19960530

Abstract (en)

[origin: WO9745475A1] Disclosed is a two-component aqueous polyurethane coating composition that is curable at 25 degrees Centigrade into a coating exhibiting enhanced hardness, gloss, and solvent resistance. The coating composition comprises a hydroxyl terminated, water dispersible polymer resin and a polyisocyanate which is dispersible in an aqueous polymer resin dispersion, and has an average functionality of at least 2.0.

IPC 1-7

**C08J 3/00**; **C08K 3/20**; **C08L 75/00**; **B32B 27/00**; **B32B 27/40**; **C08F 8/30**; **C08F 283/04**

IPC 8 full level

**C08L 75/04** (2006.01); **C08F 8/30** (2006.01); **C08G 18/08** (2006.01); **C08G 18/75** (2006.01); **C08G 18/78** (2006.01); **C08G 18/79** (2006.01); **C09D 175/00** (2006.01); **C09D 175/04** (2006.01)

CPC (source: EP KR)

**C08G 18/0823** (2013.01 - EP); **C08G 18/78** (2013.01 - EP); **C08G 18/79** (2013.01 - EP); **C08L 75/00** (2013.01 - KR); **C09D 7/20** (2017.12 - KR); **C09D 7/63** (2017.12 - KR); **C09D 7/65** (2017.12 - KR); **C09D 175/00** (2013.01 - EP); **C09D 175/04** (2013.01 - KR)

Citation (search report)

- [X] EP 0443138 A1 19910828 - BAYER AG [DE]
- [X] WO 9600252 A1 19960104 - OLIN CORP [US]
- [X] EP 0517043 A2 19921209 - BAYER AG [DE]
- [DX] EP 0540985 A1 19930512 - BAYER AG [DE]
- See references of WO 9745475A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**WO 9745475 A1 19971204**; AU 2669997 A 19980105; BR 9709486 A 19990810; CA 2257283 A1 19971204; CN 1230971 A 19991006; EP 0907673 A1 19990414; EP 0907673 A4 19991110; JP 2000514469 A 20001031; KR 100509342 B1 20051219; KR 20010009016 A 20010205

DOCDB simple family (application)

**US 9706251 W 19970407**; AU 2669997 A 19970407; BR 9709486 A 19970407; CA 2257283 A 19970407; CN 97196951 A 19970407; EP 97918640 A 19970407; JP 54235997 A 19970407; KR 19980711018 A 19981216