

Title (en)  
WATER WASHABLE PROTECTIVE COATING

Title (de)  
WASSERWASCHBARE SCHUTZBESCHICHTUNG

Title (fr)  
REVETEMENT DE PROTECTION LAVABLE A L'EAU

Publication  
**EP 1109852 A4 20040414 (EN)**

Application  
**EP 98944534 A 19980826**

Priority  
• US 9817681 W 19980826  
• US 13981898 A 19980825

Abstract (en)  
[origin: CA2341456A1] A coating composition for producing a water washable, protective coating, comprising, by weight, 10-50 % of a mixture of at least two acrylic polymers each having different molecular weights, acid numbers, and glass transition temperatures. The composition includes water and an alkali, in an amount sufficient to maintain the composition at a pH in the range of 7.5 to 9.5 and is further characterized in that the average molecular weight of the mixture of the at least two acrylic polymers is in the range of approximately 35,000 to 100,000. The average acid number of the mixture is in the range of approximately 65 to 150 and the glass transition temperature of a coating produced by the evaporation of the water from the composition is in the range of 0 to 70 °C.

IPC 1-7  
**C09D 133/06**

IPC 8 full level  
**C09D 133/00** (2006.01); **C08J 3/03** (2006.01); **C08L 31/02** (2006.01); **C09D 5/00** (2006.01); **C09D 125/08** (2006.01); **C09D 133/06** (2006.01); **C09D 191/06** (2006.01)

Citation (search report)  
• [E] WO 9855535 A1 19981210 - PRODUCT SOL LLC [US], et al  
• [X] US 5330788 A 19940719 - ROBERTS WILBERT J [US]  
• See references of WO 9910414A1

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

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CA 2341456 A1 19990304; CN 1336941 A 20020220; EP 1109852 A1 20010627; EP 1109852 A4 20040414; JP 2003521549 A 20030715

DOCDB simple family (application)  
CA 2341456 A 19980826; CN 98814251 A 19980826; EP 98944534 A 19980826; JP 2000507735 A 19980826