

Title (en)

SCRATCH RESISTANT POLYMER AND COATING COMPOSITIONS

Title (de)

KRATZFESTES POLYMER UND KRATZFESTE BESCHICHTUNGSZUSAMMENSETZUNGEN

Title (fr)

POLYMÈRES ET COMPOSITIONS DE REVÊTEMENT RÉSISTANTS À LA RAYURE

Publication

EP 1926777 A1 20080604 (EN)

Application

EP 06793477 A 20060913

Priority

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- US 71935805 P 20050922
- US 71935705 P 20050922

Abstract (en)

[origin: WO2007039421A1] Polymer substrates, for example ABS, PBT, PVC, PET, nylon 6, nylon 6'6, ABS/PBT, PC/ABS or ionomers; and coating compositions, for example oil or water based coatings with alkyd, acrylic, acrylic alkyd, polyester, phenolic, melamine, epoxy or polyurethane resins, are made scratch resistant by the incorporation therein of an additive combination of b) a carboxylic acid reagent functionalized olefin polymer or copolymer and c) a primary or secondary fatty acid amide. The present polymers and coatings exhibit good weatherability, scratch resistance, good processability, good mechanical strength, good gloss retention and are non-sticky. The carboxylic acid reagent functionalized olefin polymer is for example maleic anhydride grafted polypropylene or polyethylene, or is a reaction product of maleic anhydride and an alpha-olefin, or is a tallow alcohol ester of said maleic anhydride products. The fatty acid amide is for example oleyl palmitamide or stearyl erucamide.

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

See references of WO 2007039421A1

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