

Title (en)

COATING AGENTS BASED ON INCOMPATIBLE POLYMERS AND ELECTRICALLY CHARGED PARTICLES

Title (de)

BESCHICHTUNGSMITTEL AUF BASIS UNVERTRÄGLICHER POLYMERISATE UND ELEKTRISCH GELADENER TEILCHEN

Title (fr)

AGENTS DE REVÊTEMENT À BASE DE POLYMÈRES INCOMPATIBLES ET DE PARTICULES ÉLECTRIQUEMENT CHARGÉES

Publication

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Application

EP 08850918 A 20081106

Priority

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Abstract (en)

[origin: WO2009062622A1] The invention relates to coating agents containing at least one polymer (P1), at least one polymer (P2) that is incompatible with polymer (P1) in the solid phase and/or a cross-linking agent (V) that is incompatible with polymer (P1) in the solid phase. Polymers (P1) and/or (P2) comprise at least one functional group (a) which reacts by forming covalent bonds when the coating agent is cured. The coating agent contains 0.1 to 30 percent by weight of electrically charged inorganic particles (AT) which have an average diameter (D) of <1 µm and in which the average ratio D/d between the average particle diameter (D) and the average particle thickness (d) is >50, the percentage by weight being in relation to the non-volatile components of the coating agent. The invention further relates to a method for producing OEM composite layers which are resistant to flying stones and consist of an anti-corrosive layer that is directly applied to the substrate, a filler layer, and a final layer of coating lacquer preferably consisting of a lacquer primer and a final clear lacquer layer, at least one layer being formed from the aforementioned coating agent.

IPC 8 full level

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