

Title (en)

A SPLINTER-PROOF COATING COMPOSITION

Title (de)

SPLITTERSICHERE BESCHICHTUNGSZUSAMMENSETZUNG

Title (fr)

COMPOSITION DE REVÊTEMENT NON ÉCAILLANT

Publication

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Application

EP 19860446 A 20190910

Priority

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Abstract (en)

[origin: WO2020053880A1] A splinter-proof coating composition for glass comprising 30 to 60 wt % of one or more elastomers based on block copolymers containing polymer blocks formed from vinylaromatics (A blocks), preferably styrene, and those formed by polymerization of 1,3-dienes (B blocks), preferably butadiene or isoprene or their hydrogenation products or grafted products; 20 to 50 wt % of aliphatic hydrocarbons, preferably C5 aliphatic hydrocarbons and 10 to 30 wt % of aromatic hydrocarbons, preferably C9 aromatic hydrocarbons dissolved in a solvent is disclosed. The splinter-proof coating composition prevents scattering of glass pieces at the time of breakage of the glass substrate. The present disclosure also relates to a method of obtaining a fragmentation retention glass substrate and a fragmentation retention mirror. The glass substrate may be a clear glass, functionally coated glass or a lacquered glass that is annealed, tempered or heat strengthened.

IPC 8 full level

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