

Title (en)
A SPLINTER-PROOF COATING COMPOSITION

Title (de)
SPLITTERSICHERE BESCHICHTUNGSZUSAMMENSETZUNG

Title (fr)
COMPOSITION DE REVÊTEMENT NON ÉCAILLANT

Publication
EP 3850050 A4 20220615 (EN)

Application
EP 19860446 A 20190910

Priority
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• IN 2019050652 W 20190910

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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Citation (search report)
• [A] US 2006263596 A1 20061123 - BAMBOROUGH DEREK W [NL], et al
• [A] WO 2013176258 A1 20131128 - ZEON CORP [JP]
• See references of WO 2020053880A1

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