

Title (en)

PLASTIC MATERIAL SURFACE TREATMENT WITH A POLYMERISABLE AND/OR CROSSLINKABLE ORGANIC COMPOSITION HAVING REACTIVE FUNCTIONS

Title (de)

OBERFLÄCHENBEHANDLUNG EINES PLASTIKMATERIALS MIT EINER ORGANISCHEN ZUSAMMENSETZUNG MIT POLYMERISIERBAREN UND/ODER VERNETZBAREN FUNKTIONEN

Title (fr)

TRAITEMENT DE SURFACE DE MATERIAU PLASTIQUE AVEC UNE COMPOSITION ORGANIQUE A FONCTIONS REACTIVES POLYMERISABLE ET/OU RETICULABLE

Publication

**EP 1406957 A1 20040414 (FR)**

Application

**EP 01907790 A 20010214**

Priority

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Abstract (en)

[origin: WO0162835A1] The invention concerns a novel method for treating the surface of plastic material comprising the following steps: (1) applying on at least one of the surfaces of the plastic material a composition with polymerisable and/or crosslinkable reactive functions comprising: 1 to 99 wt. % of at least a polymerisable and/or at least partly polymerised silicone matrix A, including (co)monomers, (co)oligomers and/or (co)polymers selected among those having oxetane functions (frA); 99 to 1 wt. % of at least a polymerisable and/or at least partly polymerised matrix B, including (co) monomers, (co)oligomers and/or (co)polymers selected among those having epoxy (alpha 1), and/or acrylate (alpha 2) and/or alketyl-ether (alpha 3) and/or hydroxy (alpha 4) reactive functions (frB); an efficient amount of at least a cationic or cationic and radical initiator system C; and optionally at least a sensitizer D and at least a pigment E; (2) polymerising and/or crosslinking the treated surface under an irradiating source and/or under electron beam(s).

IPC 1-7

**C08J 7/04; C09D 183/04**

IPC 8 full level

**C08J 7/043** (2020.01); **C08J 7/046** (2020.01); **C09D 183/06** (2006.01)

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