

Title (en)

UV-CURABLE SOL-GEL COMPOSITION FOR PRODUCING A HYDROPHOBIC COATING

Title (de)

UV-HÄRTBARE SOL-GEL-ZUSAMMENSETZUNG ZUR HERSTELLUNG EINER HYDROPHOBEN BESCHICHTUNG

Title (fr)

COMPOSITION SOL-GEL DURCISSABLE SOUS L'EFFET D'UN RAYONNEMENT UV POUR L'OBTENTION D'UN REVÊTEMENT HYDROPHOBE

Publication

EP 3931162 A1 20220105 (FR)

Application

EP 20719672 A 20200226

Priority

- FR 1902029 A 20190227
- FR 2020050379 W 20200226

Abstract (en)

[origin: WO2020174188A1] Composition crosslinkable under the effect of UV radiation to produce a hydrophobic coating on a glazing substrate, said composition being characterized in that it comprises: a) between 80 and 98% by weight of at least one oligomer of an organofunctional compound of a metal A selected from Si, Ti, Zn, Zr, Al, Ce, V, Nb or Y or of an InSn metal alloy and comprising the following alternation: [(RO)2AO]_n (I) in which: - A is selected from Si, Ti, Zn, Zr, Al, Ce, V, Nb or Y or an InSn alloy; - R is a linear, branched or aromatic, preferably linear, carbon chain R in which preferably the number of carbons is between 1 and 6, endpoints included, preferably between 1 and 3, endpoints included, - n is between 2 and 20, preferably between 4 and 10, b) between 0.1 and 5% by weight of a photoacid generator compound PAG, c) between 1 and 15% by weight of a compound comprising a hydrophobic group.

IPC 8 full level

C03C 17/30 (2006.01); **C03C 17/32** (2006.01)

CPC (source: EP)

C03C 17/30 (2013.01); **C03C 17/32** (2013.01); **C03C 2217/75** (2013.01)

Citation (search report)

See references of WO 2020174188A1

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