

Title (en)
COMPOSITION FOR TREATING GLASS TO IMPROVE MECHANICAL STRENGTH THEREOF THROUGH CURING OF SURFACE DEFECTS, CORRESPONDING TREATMENT METHODS AND RESULTING TREATED GLASSES

Title (de)
ZUSAMMENSETZUNG ZUR BEHANDLUNG VON GLAS FÜR ERHÖHTE MECHANISCHE FESTIGKEIT MITTELS HÄRTUNG VON OBERFLÄCHENFEHLERN, ENTSPRECHENDE BEHANDLUNGSVERFAHREN UND AUF DIESES WEISE BEHANDELTES GLAS

Title (fr)
COMPOSITION DE TRAITEMENT D'UN VERRE POUR EN AMELIORER LA RESISTANCE MECANIQUE PAR GUERISON DES DEFAUTS DE SURFACE, PROCEDES DE TRAITEMENT CORRESPONDANTS ET VERRES TRAITES OBTENUS.

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Abstract (en)
[origin: WO2006013305A1] The invention concerns a composition for treating flat glass or hollow glass, or glass in the form of fibers, suitable for application in thin layer on said glass. It comprises, in aqueous medium, the following constituents (A) and (B): (A) at least one compound comprising at least one function f_(A); and (B) at least one compound comprising at least one function f_(B) capable of reacting with the function(s) F_(A) of constituent (A) inside said thin layer applied on the glass so as to transform the latter through polycondensation and/or polymerization into a solid layer, at least one of the compounds comprised in the definition of (A) and (B) containing at least one R-O- function bound to a silicon atom, R representing an alkyl radical, and at least part of the compounds comprising at least one function R-O- bound to a silicon atom that may be in hydrolyzed form resulting from prehydrolysis or spontaneous hydrolysis occurring upon contact of the compounds with the aqueous medium.

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