

Title (en)
COMPOSITION FOR TREATING GLASS-CERAMIC OR GLASS TO IMPROVE MECHANICAL STRENGTH THROUGH CURING OF SURFACE DEFECTS, TREATMENT METHODS

Title (de)
ZUSAMMENSETZUNG ZUR BEHANDLUNG VON GLASKERAMIK ODER GLAS FÜR ERHÖHTE MECHANISCHE FESTIGKEIT MITTELS HÄRTUNG VON OBERFLÄCHENFEHLERN UND BEHANDLUNGSVERFAHREN

Title (fr)
COMPOSITION DE TRAITEMENT D'UNE VITROCERAMIQUE OU D'UN VERRE POUR EN AMELIORER LA RESISTANCE MECANIQUE PAR GUERISON DES DEFAUTS DE SURFACE, PROCEDES DE TRAITEMENT CORRESPONDANTS ET VITROCERAMIQUES OU VERRES OBTENU(E)S

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Application
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Abstract (en)
[origin: WO2006013296A1] The invention concerns a composition for treating the surface of glass-ceramic in particular in plate form, flat or hollow glass, or in the form of fibers, suitable for application in thin layer on said glass-ceramic or 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 the thin layer applied on the glass-ceramic or 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 containing at least one R-O- function bound to a silicon atom that may be in hydrolyzed form resulting from prehydrolysis or spontaneous hydrolysis occurring upon contact of the compound(s) with the aqueous medium.

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