

Title (en)
ANTIMICROBIAL ALKALI-SILICATE GLASS CERAMIC AND THE USE THEREOF

Title (de)
ANTIMIKROBIELLE ALKALI-SILICAT-GLASKERAMIK UND IHRE VERWENDUNG

Title (fr)
VITROCERAMIQUE ALCALI-SILICATE ANTIMICROBIENNE ET SON UTILISATION

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Abstract (en)
[origin: WO03050051A1] The invention relates to a glass ceramic, wherein the starting glass comprises 30-65 percent by weight SiO₂; 5-30 percent by weight Na₂O; 5-30 percent by weight CaO and 0-15 percent by weight P₂O₅, wherein the main crystalline phases comprise alkali-alkaline earth-silicate and/or alkali-silicate and/or alkaline earth-silicate. The invention is characterized in that either a glass ceramic with a single crystalline phase 1 Na₂O₂CaO₃SiO₂ is excluded or the crystallite size of the glass ceramic is < 10 µm or the weight fraction of SiO₂ is < 47 %.

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