

Title (en)
CRYSTALLISABLE GLASS AND THE USE THEREOF FOR PRODUCING EXTREMELY SOLID AND BREAK-RESISTANT GLASS-CERAMICS HAVING AN EASILY POLISHED SURFACE

Title (de)
KRISTALLISIERBARES GLAS UND SEINE VERWENDUNG ZUR HERSTELLUNG EINER HOCHSTEIFEN, BRUCHFESTEN GLASKERAMIK MIT GUT POLIERBARER OBERFLÄCHE

Title (fr)
VERRE CRISTALLISABLE ET SON UTILISATION POUR PRODUIRE UNE VITROCERAMIQUE TRES RIGIDE, RESISTANTE A LA RUPTURE ET AYANT UNE SURFACE FACILE A POLIR

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Abstract (en)
[origin: WO2004031089A1] The invention relates to crystallisable aluminosilicate magnesium-containing glass which is used for producing extremely solid and break-resistant glass-ceramics having an easily polished surface. The inventive crystallisable glass contains 5-33 mass % of SiO₂, 25-40 mass % of Al₂O₃, 5-25 mass % of MgO, 0-15 mass % of B₂O₃, 0.1-30 mass % of Y₂O₃, Ln₂O₃, As₂O₃ and /or Nb₂O₅ and 0.1-10 mass % of P₂O₅.

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