

Title (en)
HIGH-STRENGTH, TRANSLUCENT MICA GLASS-CERAMICS

Title (de)
HOCHFESTE TRANSLUZENTE GLIMMER-GLASKERAMIKEN

Title (fr)
VITROCERAMIQUES MICACIQUES TRANSLUCIDES A RESISTANCE ELEVEE

Publication
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Application
EP 97920506 A 19970313

Priority

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Abstract (en)
[origin: DE19610300A1] The invention relates to a glass ceramic having mica and ZrO₂ crystals dispersed therein and containing: 0 - 9 wt.% of K₂O, and 0 - 9 wt.% of Na₂O, provided that Na₂O and K₂O represent at least circa 4 wt.%; 35 - 60 wt.% of SiO₂, 10 - 25 wt.% of MgO, 7 - 30 wt.% of Al₂O₃, 4 - 12 wt.% of ZrO₂, 2 - 10 wt.% of F<->. Said glass ceramic is substantially free of lithium, calcium, strontium and barium. The invention also relates to a process for the preparation of said glass ceramic and the use thereof in the form of dentures.

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