

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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- DE 19610300 A 19960315

Abstract (en)

[origin: DE19610300A1] The invention relates to a glass ceramic having mica and ZrO<sub>2</sub> crystals dispersed therein and containing: 0 - 9 wt.% of K<sub>2</sub>O, and 0 - 9 wt.% of Na<sub>2</sub>O, provided that Na<sub>2</sub>O and K<sub>2</sub>O represent at least circa 4 wt.%; 35 - 60 wt.% of SiO<sub>2</sub>, 10 - 25 wt.% of MgO, 7 - 30 wt.% of Al<sub>2</sub>O<sub>3</sub>, 4 - 12 wt.% of ZrO<sub>2</sub>, 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.

IPC 1-7

**C03C 10/16**; **A61K 6/06**

IPC 8 full level

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