

Title (en)

UV PHOTSENSITIVE MELTED GERMANO-SILICATE GLASSES

Title (de)

UV-PHOTOSENSITIVE GESCHMOLZENE GERMANIUM-SILIKAT-GLÄSER

Title (fr)

VERRES A BASE DE GERMANO-SILICATE FONDU, PHOTOSENSIBLES AUX U.V.

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Application

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Abstract (en)

[origin: WO0210083A1] The present invention relates generally to UV (ultraviolet) photosensitive bulk glass, and particularly to batch meltable alkali boro-alumino-silicate glasses. The photosensitive bulk glass of the invention exhibits photosensitivity to UV wavelengths below 250 nm. The photosensitivity of the alkali boro-alumino-silicate bulk glass to UV wavelengths below 250 nm provide for the making of refractive index patterns in the glass. With a radiation source below 250 nm, such as a laser, refractive index patterns are formed in the glass. The inventive photosensitive optical refractive index pattern forming bulk glass allows for the formation of patterns in glass and devices which utilize such patterned glass.

IPC 1-7

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- No further relevant documents disclosed
- See references of WO 0210083A1

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