

Title (en)

HERMETICALLY SEALED, HARDENED GLASS HOUSING AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

HERMETISCH VERSCHLOSSENE GEHÄRTETE GLASUMHÄUSUNG UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

ENCEINTE EN VERRE TREMPÉ FERMÉE HERMÉTIQUEMENT ET PROCÉDÉ POUR LA FABRIQUER

Publication

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Application

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Abstract (en)

[origin: WO2021009297A1] The invention relates to a hermetically sealed housing comprising a base substrate and a cover substrate, which form at least one part of the housing, at least one functional region surrounded by the housing, wherein at least the cover substrate preferably comprises a glass-type material, wherein the base substrate and the cover substrate are joined in a hermetically sealed manner with at least one laser bonding line, wherein the laser bonding line has a height HL perpendicular to its connection plane, wherein at least the cover substrate has a hardened layer on the surface on the side opposite the laser bonding line, preferably a chemically hardened layer, wherein the hardened layer preferably exerts a compressive stress on the cover substrate.

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