

Title (en)

MOULD, PROCESS AND APPARATUS FOR LASER-ASSISTED GLASS FORMING

Title (de)

FORMWERKZEUG, VERFAHREN UND VORRICHTUNG ZUR LASERGESTÜTZTEN GLASFORMUNG

Title (fr)

OUTIL DE MOULAGE, PROCÉDÉ ET DISPOSITIF DE FAÇONNAGE DE VERRE ASSISTÉ PAR LASER

Publication

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Application

EP 13704924 A 20130211

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Abstract (en)

[origin: WO2013131720A1] The invention is based on the object of reducing the outlay for adjustment when forming glass products, for instance forming glass tubes to form syringe bodies. In order to heat the glass of a primary glass product (3) to be formed, use is made of a laser (5) which emits light at a wavelength for which the glass of the primary glass product (3) is at most partly transparent, such that the light is absorbed at least partially in the glass. The invention also relates to a mould (7), comprising a forming mandrel (75), wherein the forming mandrel (75) comprises a thermally stable ceramic material at least in that region which forms the contact surface with the glass during the forming process.

IPC 8 full level

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