

Title (en)

METHOD FOR PRODUCING A QUARTZ GLASS BODY AND HOLDING ELEMENT MADE OF QUARTZ GLASS

Title (de)

VERFAHREN FÜR DIE HERSTELLUNG EINES QUARZGLASKÖRPERS UND HALTEELEMENT AUS QUARZGLAS

Title (fr)

PROCEDE DE PRODUCTION D'UN CORPS DE VERRE DE QUARTZ ET ELEMENT DE RETENUE EN VERRE DE QUARTZ

Publication

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Application

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Abstract (en)

[origin: WO0138239A1] In a prior art method for producing a quartz glass body, SiO₂ particles are deposited on the cylindrical outer surface of a cylindrical mandrel (4), which rotates around the longitudinal axis thereof, while forming an essentially cylindrical porous blank (1), whereby a holding element (12) made of quartz glass is provided in the area of one of the ends of said blank (1). The aim of the invention is to improve, based on existing methods, the reproducibility of the properties of the products made of the quartz glass body. To this end, the invention provides that a holding element (2) is used which has a metastable OH content of less than 30 ppm by weight, and that the holding element (2) is subjected to a thermal pretreatment. A suitable holding element (2) for holding a blank made of quartz glass is characterized in that it is comprised of quartz glass that has a metastable OH content of less than 30 ppm by weight.

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