

Title (en)

QUARTZ GLASS BODY AND METHOD AND GEL BODY FOR PRODUCING A QUARTZ GLASS BODY

Title (de)

QUARZGLASKÖRPER SOWIE VERFAHREN UND GELKÖRPER ZUR HERSTELLUNG EINES QUARZGLASKÖRPERS

Title (fr)

CORPS EN VERRE DE QUARTZ, ET PROCÉDÉ ET CORPS GÉLIFIÉ POUR LA FABRICATION D'UN CORPS EN VERRE DE QUARTZ

Publication

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Application

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Abstract (en)

[origin: WO2011151154A1] The invention relates to a method for producing a quartz glass body (Q) from a gel body, wherein the gel body generated from a colloidal suspension (S) is at least formed and compressed into the quartz glass body (Q). According to the invention, displacement bodies (V) are added to the colloidal suspension (S) prior to gelating into the gel body, and are completely removed from the gel body after gelating, wherein hollow spaces (H) are generated at the positions of the removed displacement bodies (V), so that a translucent or opaque quartz glass body (Q) is generated. The invention further relates to a gel body for producing a quartz glass body (Q), wherein displacement bodies (V) are introduced into the gel body that can be completely removed from the gel body, so that hollow spaces (H) arise at the positions of the displacement bodies (V). The invention further relates to a quartz glass body comprising vacuoles or hollow spaces (H) filled with gas.

IPC 8 full level

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