

Title (en)

METHOD AND DEVICE FOR PRODUCING THIN GLASS, AND THIN GLASS STRIP

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON DÜNNGLAS SOWIE DÜNNGLASBAND

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR LA FABRICATION DE VERRE MINCE ET BANDE DE VERRE MINCE

Publication

**EP 3883895 A1 20210929 (DE)**

Application

**EP 19809404 A 20191120**

Priority

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Abstract (en)

[origin: WO2020104497A1] The problem addressed by the invention is that of simplifying the production of glasses that are very thin, increasing the stability of the production process and thereby also improving the quality of the thin glasses. This aim is achieved, according to the invention, by a method for producing a flat thin glass strip (1), in which method glass (3) is melted and exits from a container (17) guiding the glass melt and is drawn out downward away from the container to form the thin glass strip (1) having a thickness of at most 250 µm while tensile forces acting in the longitudinal direction of the thin glass strip (1) are applied, wherein: the thin glass strip (1) is cooled until the thin glass strip falls below the glass transition temperature T<sub>g</sub>; the tensile forces are transferred to the thin glass strip (1) by at least two pairs of drawing rollers (7, 9, 11, 13); the two pairs of drawing rollers (7, 9, 11, 13) are arranged at a distance perpendicularly to the drawing direction in order to grasp the thin glass strip (1) on both sides in the region of the longitudinal edges (23, 25) of the thin glass strip, between two drawing rollers (7, 9, 11, 14) on each side; the thin glass strip (1) does not come into contact with drawing rollers (7, 9, 11, 14) until the thin glass strip has reached a position at which the temperature of the glass is less than or equal to 500 °C.

IPC 8 full level

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