

Title (en)

METHOD AND DEVICE FOR DIVIDING UP A COATED PLATE OF RAW GLASS INTO INDIVIDUAL PANES OF GLASS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM AUFTEILEN EINER BESCHICHTETEN ROHGLASTAFEL IN EINZELGLASSCHEIBEN

Title (fr)

PROCEDE ET DISPOSITIF POUR DIVISER UNE PLAQUE DE VERRE BRUT REVETUE EN VITRES INDIVIDUELLES

Publication

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Application

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Abstract (en)

[origin: WO2006048011A1] The invention relates to a method for dividing up a single-side coated thin plate of raw glass into individual panes of glass exhibiting a defined coating field. The plate of raw glass on the coated side thereof has layer-free tracks along virtual separating lines, wherein a) heat is produced inside the glass on the non-coated side of the plate of raw glass along a separating line by means of a laser jet and the heated point is quenched directly thereafter such that tensile stress is created along the separating line, b) a tensile stress is applied directly thereafter by means of bending about a horizontal axis located in the region of the separating line parallel thereto in the region of the non-coated side of the separating line until breaking is achieved, c) a tensile force which is directed away from the separating line, perpendicular to the axis of bending, is exerted during bending until breaking occurs.

IPC 8 full level

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