

Title (en)

METHOD FOR CUTTING A PANEL MADE OF LAMINATED GLASS

Title (de)

VERFAHREN ZUM SCHNEIDEN EINER PLATTE AUS VERBUNDGLAS

Title (fr)

PROCÉDÉ DE DÉCOUPAGE D'UN PANNEAU DE VERRE FEUILLETÉ

Publication

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Application

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Abstract (en)

[origin: WO2023285656A1] The present invention relates to a method for separating a panel (P) made of laminated glass, said laminated glass panel comprising at least one film (3) and at least two sheets of glass (1, 2) with the film being interposed between said two glass sheets, comprising the step of: - weakening the mechanical properties of the laminated glass panel using the energy of a laser beam at least along at least one predetermined separation line, by guiding the laser beam along the separation line, said separation line separating the panel into at least two pieces, characterised in that a laser device is used to provide the laser beam, said laser device being configured to provide a Bessel laser beam with a wavelength to which the glass sheets and the interposed film are transparent, wherein the length (LB) of the laser beam is equal to at least 80% of the thickness of the laminated glass panel and the ratio of the scanning speed to operating frequency is a value between two and seven times the diameter of the central lobe of the Bessel beam.

IPC 8 full level

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