

Title (en)

DEVICE FOR INSPECTING AND TESTING A SINGLE GLASS PANE, AN INSULATING GLASS ELEMENT OR A LAMINATED GLASS

Title (de)

VORRICHTUNG ZUR ÜBERPRÜFUNG UND KONTROLLE EINER EINZEL-GLASSCHEIBE, EINES ISOLIERGLAS-ELEMENTS ODER EINES LAMINATGLASES

Title (fr)

DISPOSITIF POUR VERIFIER ET CONTROLER UNE VITRE EN VERRE SIMPLE, UN ELEMENT EN VERRE ISOLANT OU UN VERRE FEUILLETE

Publication

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Application

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Abstract (en)

[origin: WO0235181A1] The invention relates to a device for inspecting and testing a single glass pane, an insulating glass element (41, 42, 43), which comprises two or more parallel glass panes, or a laminated glass (70, 71, 72). The inventive device comprises a first light source (2) whose optical axis can be brought into a reflection position with the test object and comprises an optical unit for determining the distance between the reflected parallel light beams (11, 12, 13, 14, 15, 16). Said optical unit is formed by a local resolution opto-electronic detector (3) that is connected to an evaluation device (45). Said evaluation device determines, from the distances between and the intensities of the reflected light beams (11, 12, 13, 14, 15, 16), the thickness of the single glass pane, the thickness of the individual glass panes of the insulating glass element (41, 42, 43) or the thickness of the layers of the laminated glass (70, 71, 72) and the distances therebetween and/or the presence and the location of coatings (50), which are applied to the single glass pane or to the individual glass panes of the insulating element (41, 42, 43), or of one or more laminated films (71) contained in the laminated glass (70, 71, 72).

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