

Title (en)
AUTOMATIC MACHINE FOR DRILLING AND MILLING FLAT GLASS SHEETS ARRANGED VERTICALLY AND ITS USE

Title (de)
AUTOMATISCHE MASCHINE ZUM BOHREN UND FRÄSEN VON VERTIKAL ANGEORDNETEN GLASSCHEIBEN UND SEINE BENUTZUNG

Title (fr)
MACHINE AUTOMATIQUE POUR FORER ET USINER DES FEUILLES DE VERRE DISPOSÉES VERTICALEMENT ET SON UTILISATION

Publication
EP 3045281 B1 20171101 (EN)

Application
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Abstract (en)
[origin: EP3045281A1] An automatic machine (1000) for drilling and milling and optionally perimetric grinding of substantially flat glass sheets (1) arranged vertically or almost vertically, having a rectangular or other than rectangular shape, the glass sheet being able to remain stationary or being provided with an adjustment and feeding motion along the horizontal axis X, comprising: an input conveyor (100); an output conveyor (200); a machine body, which comprises at least two mutually opposite electric spindles, each provided with movements, with respect to the glass pane (1), for feeding, adjustment and cutting that bear tool holders (302, 402) and associated abrasive tools (303, 403) adapted to performing one or more of following processes: grinding, drilling, milling and polishing, by combined action of at least two of the movements listed above; the machine (1000) being provided with at least one tool magazine (500) of the linear fixed or movable or translating chain or rotating revolver type, said magazine, which accommodates the various types of abrasive tool (303, 403) with corresponding tool holders (302, 402) for grinding, drilling, milling, polishing, being interfaced with the spindles (301, 401) of the electric spindles for returning the tool (303, 403) with the corresponding tool holder (302, 402) that has finished its own processing cycle and for picking up the tool (303, 403) with corresponding tool holder, required for the subsequent processing cycle, at least one of receptacles of the tool magazine (500), instead of containing an abrasive tool or being empty, containing an accessory (505, 506) that is other than the abrasive tool (303, 403).

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Cited by
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