

Title (en)
WATER JET MACHINE FOR CUTTING FLAT GLASS

Title (de)
WASSERSTRAHLMASCHINE ZUM SCHNEIDEN VON FLACHGLAS

Title (fr)
MACHINE À JET D'EAU POUR LA COUPE DE VERRE PLAT

Publication
EP 3473381 A4 20210310 (EN)

Application
EP 16905699 A 20160802

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Abstract (en)
[origin: EP3473381A1] This request for an invention patent is oriented to the industrial sector and refers to a water jet cutting machine used in plate glass cutting, with the horizontal cut being made with high pressure focused water combined with abrasive elements in order to make holes and cutouts on plate glass. Its unique characteristic when compared to the water jet cutting machines existing in the market is the possibility of operating in an automated production line, with glass pieces feed, automatic shoulder milling and referencing. This format meets the demands of the glass market with high productivity and production standardization. The purpose of the water jet cutting machine for plate glass cutting is to drill holes and make cutouts in an automatic way, on or in plate glass with several lengths, widths and thicknesses, specially by means of positioning tools and machining (hole and/or cuts) functional movements, configured for the functionalities of the cutting head (4), input conveyor belts (2.1) and output conveyor belts (5.1), specially by the positioning and synchronized functional movements during the drilling or cutting of a specific piece.

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
• [Y] EP 2599588 A2 20130605 - BOTTERO SPA [IT]
• [Y] EP 2990388 A1 20160302 - MECÁNICAS TERUEL S L [ES]
• [A] US 2004232188 A1 20041125 - LISEC PETER [AT]
• [A] EP 0477070 A1 19920325 - SAINT GOBAIN VITRAGE [FR]
• [A] IT TO20120150 A1 20120522 - FORVET S R L
• See also references of WO 2017219099A1

Designated contracting state (EPC)
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EP 3473381 A1 20190424; EP 3473381 A4 20210310; EP 3473381 A9 20200422; BR 212018003148 U2 20180724;
BR 212018003148 Y1 20190903; CN 109070312 A 20181221; JP 2020506068 A 20200227; RU 2018141348 A 20200525;
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