

Title (en)
MACHINE AND METHOD FOR PROCESSING PLATES

Title (de)
MASCHINE UND VERFAHREN ZUR BEARBEITUNG VON PLATTEN

Title (fr)
MACHINE ET PROCEDE POUR L'USINAGE DE PIECES PLATES

Publication
EP 3106275 A1 20161221 (EN)

Application
EP 16174144 A 20160613

Priority
IT UB20151417 A 20150616

Abstract (en)
A machine for processing plates, for example plates of glass, natural or synthetic stone material or slabs of wood or other suitable materials, comprises- a conveying device for advancing a plate (L) to be processed in a substantially vertical position along a first horizontal X direction, into and out from a processing station (W). The processing station (W) comprises at least a first plate machining head (H1) for machining the plate (L), movable along a second substantially vertical Y direction, and including a motorized spindle which can be coupled at least with a milling tool (U), which can be used to mill the plate (L) along a predetermined path, so as to form an opening (A1, A2) in the plate, with resulting removal of a portion of the plate (P) constituting a processing waste. The machine further comprises at least one suction-cup gripping member (V,S) for gripping said plate portion (P) constituting the processing waste, which can be activated by depression and is displaceable from a retracted position to an advanced position for engaging said plate portion (P) that must be removed as a result of said milling operation, before that the milling operation is terminated.

IPC 8 full level
B27M 1/00 (2006.01); **B24B 9/10** (2006.01); **B26D 7/18** (2006.01); **B26F 1/38** (2006.01)

CPC (source: EP)
B24B 9/102 (2013.01); **B26D 7/0625** (2013.01); **B26D 7/1836** (2013.01); **B26D 7/1863** (2013.01); **B26F 1/3813** (2013.01); **B27M 1/08** (2013.01)

Citation (applicant)
EP 2039464 B1 20101110 - FOR EL BASE DI DAVANZO NADIA & [IT]

Citation (search report)
• [A] EP 2719501 A1 20140416 - BIESSE SPA [IT]
• [A] US 2010011927 A1 20100121 - LEE JAE-PIL [KR], et al

Cited by
EP3888830A1; CN114789492A; IT202200017652A1; CN113953929A; US2017304982A1; US10702966B2; EP3392008A1; CN108724359A; IT201700044014A1; IT201700110165A1; IT202000007126A1; WO2024042559A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3106275 A1 20161221; EP 3106275 B1 20180131

DOCDB simple family (application)
EP 16174144 A 20160613