

Title (en)

Machining workstation for plates of stone, marble, synthetic material, or the like, with a sacrificial working plane

Title (de)

Arbeitsstation einer Maschine für Steinplatten, Marmor, Kunststoff, oder dergleichen, mit einer Opfermaterialarbeitsebene

Title (fr)

Centre d'usinage pour dalles en pierre, marbre, matériau synthétique ou similaire avec plan de travail sacrificiel

Publication

EP 2998088 A1 20160323 (EN)

Application

EP 14185064 A 20140917

Priority

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Abstract (en)

A workstation (1) for machining plates (L) of stone, marble, synthetic material, or the like, comprises a bench (2), defining a main working surface (3) that can be equipped with supports for receiving and blocking the plates (L) to be machined in a raised position with respect to the main working surface (3). The workstation comprises at least one operating head (8), which is carried by the aforesaid carriage (6) and mobile with respect to the latter in a vertical direction Z and is equipped with means for coupling a rotary tool for carrying out finishing operations on the edge of a plate (L) to be machined or for coupling a disk blade thereto (10) for carrying out cutting operations on the aforesaid plate (L). The workstation further comprises an auxiliary working surface, of a sacrificial type (12), to be used during the operations of cutting of the plate (L), which can be displaced in a guided way in said direction Y, between a first position, in which overlies the main working surface (3), and a second position, in which it is set horizontally spaced from the main working surface (3). The auxiliary working surface (12) is defined by a structure independent of the bench (2) and of the main working surface (3), and in the aforesaid first position the auxiliary working surface (12) is in a position set vertically at a distance above the main working surface (3) and is not supported by the latter. Preferably, the workstation (1) further comprises a water-jet machining head (9), i.e., one that uses a jet of water at extremely high pressure.

IPC 8 full level

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CPC (source: EP)

B28D 1/003 (2013.01); **B28D 7/04** (2013.01)

Citation (applicant)

IT 1391863 B1 20120127 - BIESSE SPA [IT]

Citation (search report)

- [AD] IT 1391863 B1 20120127 - BIESSE SPA [IT]
- [A] EP 1749624 A1 20070207 - KEMAC S P A [IT]
- [A] WO 2006043294 A1 20060427 - TONCELLI DARIO [IT]
- [A] WO 2012038798 A1 20120329 - GMM S P A [IT], et al

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IT201800010685A1; IT201900002759A1; EP3620281A1; WO2019105604A1; CN110450289A; CN106626083A; CN107962687A; CN114161450A; EP3412421A1; IT201700054457A1; EA036767B1; CN106994750A; CN109500520A; CN111168869A; CN106003449A; IT201600132808A1; IT201700085377A1; EP3909732A1; IT202000010936A1; WO2019021172A1; EP4257319A1; EP4257317A1; US10940604B2; US11370140B2

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Designated extension state (EPC)

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