

Title (en)
TOOL-HOLDER UNIT OF A MACHINE FOR MACHINING BLOCK OR SLAB MATERIALS, MACHINE INCLUDING SUCH UNIT FOR MACHINING BLOCK OR SLAB MATERIALS

Title (de)
WERKZEUGHALTEREINHEIT EINER MASCHINE ZUM BEARBEITEN VON BLOCK- ODER PLATTENMATERIALIEN UND MASCHINE MIT EINER SOLCHEN EINHEIT ZUM BEARBEITEN VON BLOCK- ODER PLATTENMATERIALIEN

Title (fr)
UNITE PORTE-OUTIL D'UNE MACHINE POUR USINER DES BLOCKS OU DALLES DE PIERRE, MACHINE COMPORTANT UNE TELLE UNITE POUR USINER DES BLOCKS OU DALLES DE PIERRE

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Application
EP 12748784 A 20120705

Priority
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• IB 2012053446 W 20120705

Abstract (en)
[origin: WO2013008154A1] The invention relates to a tool-holder unit (10) of a machine (100) for machining block or slab materials (200), the tool-holder unit (10) being moveable above a working plane (102) of said machine (100) on which the block or slab material (200) to be machined is laid, wherein the tool-holder unit (10) comprises: a spindle (12) on which a circular blade (11) is mounted, and a coupling assembly (61) for removably coupling a second machining tool (28) to a front free end (12a) of the spindle (12) comprising a tool-holder (50) associated to the second machining tool (28), at least two first magnets (65) with north polarity and at least two second magnets (66) with south polarity, associated to the front free end (12a) of the spindle (12) and circumferentially arranged alternating with each other at said front free end (12a), at least two third magnets (55) with south polarity and at least two fourth magnets (56) with north polarity, associated to a free end of said tool-holder (50) and circumferentially arranged alternating with each other at said free end of the tool-holder (50), and at least one mechanical coupling device (63) provided with elements cooperating in abutment relationship (58, 68) to make the tool-holder (50) and the spindle (12) rotationally integral with each other.

IPC 8 full level
B27B 5/32 (2006.01)

CPC (source: EP)
B27B 5/32 (2013.01)

Citation (examination)
• EP 1602462 A1 20051207 - HILTI AG [LI]
• WO 2011145005 A1 20111124 - BRETON SPA [IT], et al

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