

Title (en)

APPARATUS FOR HANDLING AND CUTTING STONE PLATES

Title (de)

VORRICHTUNG ZUM HANDHABUNG UND SCHNEIDEN VON STEINPLATTEN

Title (fr)

APPAREIL POUR LA MANIPULATION ET LA COUPE DE DALLES EN PIERRE

Publication

EP 3412421 B1 20200304 (EN)

Application

EP 18171397 A 20180509

Priority

IT 201700054457 A 20170519

Abstract (en)

[origin: EP3412421A1] An apparatus (1) for handling and cutting stone slabs, comprising a pair of posts (2, 3) for delimiting a cutting area (4) and slab loading/unloading area (5), a support surface (8) for a slab, moving between the loading/unloading area (5) and the cutting area (4), a longitudinal load-bearing beam (9) slidingly mounted to the posts (2, 3) and moving in a transverse direction (T) and a cutting unit (10) slidingly mounted to the beam (9) over the support surface (8). The support surface (8) comprises a pair of work tables (14, 15) mounted to respective carriages (16, 17) defining each a substantially horizontal plate bearing surface (18, 19), and each carriage (16, 17) moving along guide means (20) secured to the ground between the cutting area (4) and the loading/unloading area (5). Drive means (23) are provided for translating each of the work tables (14, 15) between end positions corresponding to the cutting area (4) and the loading/unloading area (5). Each of the work tables (14, 15) comprises a tilting device (39) hinged to a carriage (16, 17) to pivot between a horizontal position in which it is coplanar with a respective bearing surface (18, 19) and a tilted position in which it is inclined to the respective bearing surface (18, 19) to facilitate loading/unloading of the slabs.

IPC 8 full level

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CPC (source: EP)

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