

Title (en)
CUTTING UNIT FOR A THROUGHPUT MACHINE

Title (de)
SCHNEIDAGGREGAT FÜR EINE DURCHLAUFMASCHINE

Title (fr)
UNITÉ DE COUPE POUR UNE MACHINE CONTINUE

Publication
EP 1419026 B1 20081001 (DE)

Application
EP 02753037 A 20020502

Priority
• DE 10124081 A 20010516
• EP 0204816 W 20020502

Abstract (en)
[origin: DE10124081C1] The invention relates to a cutting unit for a throughput machine, enabling the narrow surface sides of plate-like workpieces made of wood and/or wood substitutes to be machined. The cutting unit has a rotating cutting tool (5) which is used to make a cut on the narrow surface sides of a workpiece and which is disposed upon a support (7) which is moved, together with the respective throughput workpiece (2), along a workpiece and returned to an initial position. In order to cause the cutting tool (5) to move forwards and backwards, the support can be moved across the throughput direction of the workpiece. In order to reduce the length of the cutting unit and provide a high throughput speed and cycle time for said workpieces, the support (7) bearing the cutting tool (5) is arranged on a fixed oscillation drive (8), whereby a longitudinal lift parallel to the throughput direction and a transversal lift is transmitted to the support (7), said lifts being superposed on a common plane, and the amplitude of the transversal lift towards the throughput workpieces (2) is adapted to the cutting depth of the cutting tool (5). The speed component of the longitudinal lift in the apex of the amplitude of the transversal lift is also adapted to workpiece throughput speed.

IPC 8 full level
B23D 45/18 (2006.01); **B27D 5/00** (2006.01)

CPC (source: EP)
B27D 5/006 (2013.01)

Cited by
ES2320292A1

Designated contracting state (EPC)
DE ES IT

DOCDB simple family (publication)
DE 10124081 C1 20020613; DE 50212843 D1 20081113; EP 1419026 A2 20040519; EP 1419026 B1 20081001; ES 2312602 T3 20090301; WO 02092268 A2 20021121; WO 02092268 A3 20030320

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DE 10124081 A 20010516; DE 50212843 T 20020502; EP 0204816 W 20020502; EP 02753037 A 20020502; ES 02753037 T 20020502