

Title (en)

Machine tool with sawing device, in particular for machining panels

Title (de)

Werkzeugmaschine mit Sägevorrichtung, insbesondere für die Bearbeitung von Platten

Title (fr)

Machine-outil à dispositif de sciage, en particulier pour le travail des panneaux

Publication

EP 0830922 B1 20040428 (DE)

Application

EP 97111901 A 19970712

Priority

DE 19637954 A 19960918

Abstract (en)

[origin: EP0830922A2] The machine has a clamp table (1) with at least one support moving above it in each of the longitudinal (X) and transverse (Y) directions, to support machining units or processing tools and a saw with circular saw blade, which is arranged to cut at least in the longitudinal direction. A carrier (11) is positioned in front of the table and on the same level. The carrier is as long as, or shorter than, the table, and wider than it. The carrier has roller bodies or slide units (13) on its upper face, to move a section (16) of a large panel (14) to be cut from the carrier onto the table along a cutting line (19), and then to return the remaining part of the panel (17) to the carrier. The table has cross struts (2) with suction clamps (3). These are positioned on either side of the cutting line, under the panel section to be cut and under the remaining panel section.

IPC 1-7

B27B 5/06

IPC 8 full level

B25B 11/00 (2006.01); **B27B 5/06** (2006.01); **B27B 5/065** (2006.01); **B27B 5/29** (2006.01); **B27B 27/00** (2006.01); **B27B 27/10** (2006.01); **B27B 31/00** (2006.01); **B27C 9/00** (2006.01); **B27M 1/08** (2006.01)

CPC (source: EP)

B25B 11/005 (2013.01); **B27B 5/065** (2013.01); **B27B 27/00** (2013.01); **B27B 27/10** (2013.01); **B27B 31/00** (2013.01); **B27M 1/08** (2013.01)

Citation (examination)

US 4640326 A 19870203 - HEWITT TIMOTHY W [US]

Cited by

DE102009045017A1; EP1247606A1; CN107186822A; EP1362676A1; CN103753652A; CN103786225A; EP1231008A1; BE1013832A3; EP1810801A1; DE20107745U1; CN103786215A; DE102006013109B4; EP1837143A1; DE102006013109A1; EP1645379A1; CN103038012A; WO0226452A1; WO02068150A1; US9409242B2; DE102009045017B4

Designated contracting state (EPC)

DE ES IT

DOCDB simple family (publication)

DE 19637954 A1 19980319; DE 59711562 D1 20040603; EP 0830922 A2 19980325; EP 0830922 A3 19990818; EP 0830922 B1 20040428; ES 2216084 T3 20041016; JP 4262316 B2 20090513; JP H10146801 A 19980602

DOCDB simple family (application)

DE 19637954 A 19960918; DE 59711562 T 19970712; EP 97111901 A 19970712; ES 97111901 T 19970712; JP 25326597 A 19970918