

Title (en)
Improvements to a vacuum-grip cutting table

Title (de)
Schneidtisch mit Vakuum-Ansaugung

Title (fr)
Table à couper avec aspiration par le vide

Publication
EP 0271116 B2 19980311 (EN)

Application
EP 87118526 A 19871214

Priority
ES 8603432 A 19861215

Abstract (en)
[origin: EP0271116A1] Improvements to a cutting table with vacuum grip, consisting of the provision of the means required to connect the vacuum to a conveyor (14) on which the strip material (12) to be cut with a numerically controlled machine is fixed. In particular, the conveyor (14) is of the type made up by a succession of tiles (48) connected to the links of two chains (50) (or group thereof) which are closed and which slip or run along guides and mesh with at least two toothed wheels (54) which provide the movement. On the upper face of the loop formed by the succession of tiles, a bridge (20) runs with supports and movement devices (30) of its own which provide it with the movement in - the same direction as the conveyor (14). - On this bridge (20), a carriage (22) moves with the tools for working the material (12). - In order to hold the strip material (12), a vacuum is applied in accordance with the subject of this invention, under the working surface, formed by the upper face of the conveyor (14).- The said vacuum is applied to each of the tiles (48) which are hermetic enclosures with outlets only on the outside faces of the loop created by the conveyor (14).

IPC 1-7
D06H 7/24; B26D 7/20

IPC 8 full level
B25B 11/00 (2006.01); **B26D 7/01** (2006.01); **B26D 7/02** (2006.01); **B26D 7/20** (2006.01); **D06H 7/24** (2006.01)

CPC (source: EP)
B25B 11/005 (2013.01); **B26D 7/018** (2013.01); **B26D 7/20** (2013.01)

Cited by
CN108556032A; US5189936A; EP0517142A1; CN113550133A; CN102528147A; US5825652A; EP0484973A3; US5303626A; DE3630363A1; CN108685318A; US10179376B2

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0271116 A1 19880615; EP 0271116 B1 19921119; EP 0271116 B2 19980311; AT E82601 T1 19921215; CA 1316099 C 19930413; DE 3782727 D1 19921224; DE 3782727 T2 19930415; DE 3782727 T3 19980520; DK 167320 B1 19931011; DK 640187 A 19880616; DK 640187 D0 19871204; ES 2006729 A6 19890516; FI 86564 B 19920529; FI 86564 C 19920910; FI 874816 A0 19871102; FI 874816 A 19880616; IE 61401 B1 19941102; IE 873379 L 19880615; JP 2588224 B2 19970305; JP S63191597 A 19880809

DOCDB simple family (application)
EP 87118526 A 19871214; AT 87118526 T 19871214; CA 554230 A 19871214; DE 3782727 T 19871214; DK 640187 A 19871204; ES 8603432 A 19861215; FI 874816 A 19871102; IE 337987 A 19871214; JP 32006587 A 19871215