

Title (en)
Suction pad

Title (de)
Blocksauger

Title (fr)
Tampon d'aspiration

Publication
EP 1356896 A3 20060607 (DE)

Application
EP 03400015 A 20030422

Priority
DE 20206490 U 20020424

Abstract (en)
[origin: US2003201593A1] A block suction apparatus for fixing plate-shaped work pieces on a fixing beam or fixing table using under-pressure has at least one support surface provided with a sealing plate having a sealing lip about its periphery. The sealing lip delimits a suction chamber and least one supporting element is provided within the suction chamber. At least one additional supporting element is also provided and is located in the direct vicinity of the sealing lip. Sagging of sections of a plate being lifted by the apparatus which project past the block suction apparatus is thereby reduced and the edge of the plate can therefore be processed with greater accuracy.

IPC 8 full level
B25B 11/00 (2006.01)

CPC (source: EP US)
B25B 11/005 (2013.01 - EP US)

Citation (search report)

- [X] DE 29707897 U1 19970626 - SCHMALZ J GMBH [DE]
- [XA] WO 9829218 A1 19980709 - GOECKEL MARTIN [DE], et al
- [XA] DE 1286466 B 19690102 - FEZER ALBERT
- [A] DE 19921071 A1 20000427 - GOECKEL KARL [DE], et al
- [A] GB 2016166 A 19790919 - WESTERN ELECTRIC CO

Cited by
CN103534065A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2003201593 A1 20031030; US 6817601 B2 20041116; AT E389511 T1 20080415; DE 20206490 U1 20020718; DE 50309395 D1 20080430; EP 1356896 A2 20031029; EP 1356896 A3 20060607; EP 1356896 B1 20080319; ES 2300557 T3 20080616

DOCDB simple family (application)
US 44520103 A 20030527; AT 03400015 T 20030422; DE 20206490 U 20020424; DE 50309395 T 20030422; EP 03400015 A 20030422; ES 03400015 T 20030422