

Title (en)
CUTTING PRESS FOR SHEET-LIKE WORKPIECES

Publication
EP 0074041 A3 19840718 (DE)

Application
EP 82107928 A 19820828

Priority
DE 3135266 A 19810905

Abstract (en)
[origin: US4452115A] A cutting press for treating plate-shaped workpieces includes a coordinate table and a stationary support which surrounds the working area of a cutting tool. A central workpiece support is mounted on the coordinate table for movement in lateral guides of the latter toward and away from the stationary support independently of the movement of the coordinate table, so as to open and close a discharge opening between itself and the stationary support. The central workpieces support includes a plurality of elongated support elements extending transversely of the direction of movement of the central workpiece support in the lateral guides and articulately connected in series to one another. Driving units are provided which act on the ends of the movable central workpiece support for moving the same relative to the coordinate table. A device for expelling cut-out parts of the original workpiece from the latter into the discharge opening is mounted above the area of the discharge opening for movement between a lifted position in which the expelling device is remote from the central workpiece support and a lowered position in which it acts in the downward direction on the workpiece. The expelling device includes a pressure plate and a plurality of elastic elements mounted on the lower side of the pressure plate and acting on the workpiece in the lowered position.

IPC 1-7
B26D 7/18

IPC 8 full level
B21D 43/28 (2006.01); **B26D 7/18** (2006.01); **B21D 45/02** (2006.01)

CPC (source: EP US)
B21D 43/287 (2013.01 - EP US); **B26D 7/18** (2013.01 - EP US); **Y10T 83/2198** (2015.04 - EP US); **Y10T 83/2205** (2015.04 - EP US); **Y10T 83/8732** (2015.04 - EP US)

Citation (search report)
• [Y] US 3821914 A 19740702 - ROCH G
• [Y] FR 1288571 A 19620324 - SCHLOEMANN AG
• [YP] US 4302995 A 19811201 - IINO TOSHIO
• [A] DE 1810638 A1 19700604 - SIEMAG SIEGENER MASCH BAU
• [A] DE 1120844 B 19611228 - WAGNER & CO WERKZEUGMASCHF
• [A] DE 2913439 A1 19801016 - SCHOEN & CIE GMBH
• [A] CH 324448 A 19570930 - BOBST FILS SA J [CH]
• [A] FR 1366940 A 19640717 - LINCRUSTA
• [A] GB 958917 A 19640527 - WILLIAM CROSLAND LTD
• [A] FR 2325475 A1 19770422 - DAINIPPON PRINTING CO LTD [JP]
• [A] CA 784527 A 19680507 - WARNER SWASEY CO

Cited by
CN106890908A; FR2623438A1; EP0265589A3

Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
EP 0074041 A2 19830316; **EP 0074041 A3 19840718**; **EP 0074041 B1 19860226**; DE 3135266 A1 19830324; DE 3135266 C2 19831117; DE 3269401 D1 19860403; US 4452115 A 19840605

DOCDB simple family (application)
EP 82107928 A 19820828; DE 3135266 A 19810905; DE 3269401 T 19820828; US 40533682 A 19820805