

Title (en)

Device for cutting of stacked sheet products.

Title (de)

Vorrichtung zum Schneiden von gestapeltem, blattförmigem Gut.

Title (fr)

Dispositif pour couper des produits lamellaires empilés.

Publication

EP 0453933 B1 19940810 (DE)

Application

EP 91106079 A 19910417

Priority

DE 4013352 A 19900425

Abstract (en)

[origin: EP0453933A1] A device for cutting stacked sheet products has a table surface which consists of a feeding field for receiving the products to be cut, a working field (2) above which are situated a cutting knife (5) and a pressing beam (6), and a delivery field (24) situated in front of this and forming part of a first guide (17) which is movable in the advancing direction (C) of the products to be cut and opposite thereto. <?>According to the invention, it is proposed that during severing of the stack (8) to form a cut stack (8'), the first guide (17) be tilted (arrow D), the cut stack (8') being securely held by the guide (17) owing to its construction with a lower, horizontal leg (17b) and an adjoining vertical leg (17a). Displacement of the individual sheet layers or undesired toppling of the cut stack (8') is thus effectively prevented precisely when cutting narrow stack strips. In the tilted position of the first guide (17), the latter is moved together with the cut stack (8') away from the cutting plane (7), and a second guide (29) is raised into the gap formed between the first guide (17) and the cutting plane (7), in such a way that after transferring the first guide (17) into that position in which the leg (17a) is correctly oriented again, the cut stack (8') is aligned additionally on the second guide (29). The two guides (17, 29) form a transverse channel, through which the cut stack (8') can then be pushed out by means of an ejector (33). <IMAGE>

IPC 1-7

B26D 7/06; **B26D 7/01**

IPC 8 full level

B26D 1/06 (2006.01); **B26D 7/01** (2006.01); **B26D 7/06** (2006.01); **B26D 7/18** (2006.01); **B26D 7/32** (2006.01)

CPC (source: EP US)

B26D 7/015 (2013.01 - EP US); **B26D 7/18** (2013.01 - EP US); **B26D 7/32** (2013.01 - EP US); **B26D 2007/322** (2013.01 - EP US); **Y10T 83/2048** (2015.04 - EP US); **Y10T 83/2198** (2015.04 - EP US); **Y10T 83/2205** (2015.04 - EP US); **Y10T 83/2209** (2015.04 - EP US); **Y10T 83/7487** (2015.04 - EP US); **Y10T 83/7593** (2015.04 - EP US)

Cited by

EP1018408A1; CN106426330A; CN102152326A; NL2018039B1; CN101983849A; CN112847528A; CN111391011A; CN102092055A; EP2127828A1; EP1018409A1; US6601490B1; CN106863379A; WO2018117822A1; EP2228182A1; EP2660176A1

Designated contracting state (EPC)

BE CH DE ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0453933 A1 19911030; **EP 0453933 B1 19940810**; DE 4013352 A1 19911107; DE 4013352 C2 19920903; DE 59102464 D1 19940915; ES 2061102 T3 19941201; JP 2543445 B2 19961016; JP H054196 A 19930114; US 5209149 A 19930511

DOCDB simple family (application)

EP 91106079 A 19910417; DE 4013352 A 19900425; DE 59102464 T 19910417; ES 91106079 T 19910417; JP 9234791 A 19910423; US 69065291 A 19910424