

Title (en)

METHOD AND DEVICE FOR PUNCH-CUTTING READILY PROCESSABLE STACKS INTERSPERSED AMONG ONE ANOTHER ON STRIP MATERIAL

Publication

EP 0242320 B1 19900905 (DE)

Application

EP 87730041 A 19870416

Priority

- DE 3613563 A 19860418
- DE 3628301 A 19860821

Abstract (en)

[origin: US4790223A] For separating off a stack of individual shaped items such as bottle neck labels from a stack of strips each carrying several such items, a punching die is used which has a punching contour which corresponds to the desired shape of the cutting line between the individual shaped items. The cutting line also corresponds to the rear contour of the separate stack of individual shaped items. The shape of the cutting line of the punching die is freely selectable. At its rear edge the punching die is smooth and the separated-off stack of shaped items accommodates any compression of the material forming the stack by means of an offset angle so that the remainder of the strip of shaped items has a smooth and perpendicular cut edge.

IPC 1-7

B26D 1/08; **B26D 3/10**; **B26F 1/40**

IPC 8 full level

B26F 1/00 (2006.01); **B26D 3/10** (2006.01); **B26F 1/40** (2006.01)

CPC (source: EP US)

B26D 3/10 (2013.01 - EP US); **B26F 1/40** (2013.01 - EP US); **Y10T 83/0567** (2015.04 - EP US); **Y10T 83/4645** (2015.04 - EP US); **Y10T 83/75** (2015.04 - EP US); **Y10T 83/7513** (2015.04 - EP US); **Y10T 83/7573** (2015.04 - EP US); **Y10T 83/758** (2015.04 - EP US); **Y10T 83/9452** (2015.04 - EP US)

Citation (examination)

- DE 1226025 B 19660929 - KROLL WALTER
- DE 2225586 A1 19731206 - JACOB GEB LORBEER HANNELORE
- DE 685530 C 19391220 - CURT SCHUMANN

Cited by

EP0495379A1

Designated contracting state (EPC)

CH ES FR GB IT LI

DOCDB simple family (publication)

EP 0242320 A1 19871021; **EP 0242320 B1 19900905**; ES 2018043 B3 19910316; JP H0749200 B2 19950531; JP S62259798 A 19871112; US 4790223 A 19881213

DOCDB simple family (application)

EP 87730041 A 19870416; ES 87730041 T 19870416; JP 9341187 A 19870417; US 3928687 A 19870417