

Title (en)

Blank separating device in a machine to work plate or sheet elements to produce packings.

Title (de)

Vorrichtung zum Trennen der Bleche in einer Maschine zum Bearbeiten von Plattenblattelementen zum Herstellen von Verpackungen.

Title (fr)

Dispositif de séparation des poses dans une machine de travail d'éléments en plaque ou feuilles en vue de la production d'emballages.

Publication

**EP 0451667 B1 19950222 (FR)**

Application

**EP 91105155 A 19910402**

Priority

CH 122090 A 19900410

Abstract (en)

[origin: EP0451667A1] The invention concerns the upper tool of a station for separating blanks in a machine for the production of packings. The upper tool is constituted by a rectangular plate (2) squared with traversing sockets (21). On the lower surface of the plate (2) is fixed a large number of punches (P1) intended to push the blanks through the corresponding openings of the lower tool of the station. The fixing of each punch (P1) to the plate (2) is carried out by means of a self-locking pin (B) whose shaft (81) is engaged with a socket (21). <IMAGE>

IPC 1-7

**B26D 7/18**

IPC 8 full level

**B31B 1/14** (2006.01); **B26D 7/18** (2006.01)

CPC (source: EP US)

**B26D 7/1818** (2013.01 - EP US); **Y10T 83/8831** (2015.04 - EP US); **Y10T 83/943** (2015.04 - EP US); **Y10T 83/9452** (2015.04 - EP US); **Y10T 83/9461** (2015.04 - EP US); **Y10T 225/329** (2015.04 - EP US); **Y10T 225/371** (2015.04 - EP US)

Cited by

FR2765135A1

Designated contracting state (EPC)

AT BE DE DK ES FR GB IT LU NL SE

DOCDB simple family (publication)

**EP 0451667 A1 19911016**; **EP 0451667 B1 19950222**; AT E118716 T1 19950315; CA 2039293 A1 19911011; CA 2039293 C 19951017; CH 681874 A5 19930615; DE 69107494 D1 19950330; DE 69107494 T2 19950614; DK 0451667 T3 19950717; ES 2068415 T3 19950416; JP H0691786 A 19940405; US 5192011 A 19930309

DOCDB simple family (application)

**EP 91105155 A 19910402**; AT 91105155 T 19910402; CA 2039293 A 19910227; CH 122090 A 19900410; DE 69107494 T 19910402; DK 91105155 T 19910402; ES 91105155 T 19910402; JP 7795091 A 19910410; US 68307591 A 19910410