

Title (en)

Movable upper tool for the separation of the forms in a packaging material production machine.

Title (de)

Bewegliches Oberwerkzeug zur Trennung der Schnittschablonen in einer Maschine zur Herstellung von Verpackungsmaterial.

Title (fr)

Outil supérieur mobile de séparation de poses dans une machine de production d'emballages.

Publication

**EP 0451758 B1 19950222 (FR)**

Application

**EP 91105525 A 19910408**

Priority

CH 127490 A 19900412

Abstract (en)

[origin: EP0451758A1] The invention concerns a movable upper tool for a station for separating blanks in a machine working on sheets for the purpose of producing packages. The tool comprises a horizontal plate (1) pierced with a large number of openings (10) and on the lower surface of which are fitted punches (2, 2') for separating blanks. The upper surface of each punch (2, 2') is provided with VELCRO strips (21) intended to engage with a VELCRO layer (12) glued to the lower surface of the plate (1) for securing the punch (2, 2') with respect to the plate (1). <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 83/9483** (2015.04 - EP US); **Y10T 225/329** (2015.04 - EP US); **Y10T 225/371** (2015.04 - EP US)

Cited by

EP0641632A3

Designated contracting state (EPC)

AT BE DE DK ES FR GB IT LU NL SE

DOCDB simple family (publication)

**EP 0451758 A1 19911016**; **EP 0451758 B1 19950222**; AT E118717 T1 19950315; CA 2040106 C 19941129; CH 682651 A5 19931029; DE 69107496 D1 19950330; DE 69107496 T2 19950622; DK 0451758 T3 19950717; ES 2068417 T3 19950416; JP 2604505 B2 19970430; JP H05254040 A 19931005; US 5353978 A 19941011

DOCDB simple family (application)

**EP 91105525 A 19910408**; AT 91105525 T 19910408; CA 2040106 A 19910409; CH 127490 A 19900412; DE 69107496 T 19910408; DK 91105525 T 19910408; ES 91105525 T 19910408; JP 8024791 A 19910412; US 68295291 A 19910410