

Title (en)

Method and device for separating blanks in a machine for cutting sheet material

Title (de)

Methode und Vorrichtung zum Trennen von Nutzen in einer Schneidmaschine für bogenförmiges Material

Title (fr)

Procédé et dispositif de séparation de poses dans une machine de découpe d'éléments en plaque

Publication

EP 1400325 B1 20070328 (FR)

Application

EP 03020047 A 20030904

Priority

CH 15482002 A 20020912

Abstract (en)

[origin: EP1400325A1] The device has a lower tool to support a sheet and including multiple openings (31). An upper tool supports punches (15) on a side facing towards the lower tool. Each punch is shaped to pass into the opening as the tools move towards each other. A suction device on each punch and a suction source connected with the devices selectively suck to hold blanks on sheet to the punches and release the blanks from the punches. An Independent claim is also included for a method of blanking a plate-like blankable sheet.

IPC 8 full level

B26D 7/18 (2006.01)

CPC (source: EP US)

B26D 7/1818 (2013.01 - EP US); **B26D 7/1863** (2013.01 - EP US); **Y10T 83/04** (2015.04 - EP US); **Y10T 83/7487** (2015.04 - EP US); **Y10T 83/8828** (2015.04 - EP US); **Y10T 225/12** (2015.04 - EP US); **Y10T 225/325** (2015.04 - EP US); **Y10T 225/379** (2015.04 - EP US)

Cited by

CN107030757A; ITVR20090019A1; CN111391006A; CN111993479A; CN109291138A; CN110509340A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1400325 A1 20040324; **EP 1400325 B1 20070328**; AT E357999 T1 20070415; CH 695854 A5 20060929; DE 60312787 D1 20070510; DE 60312787 T2 20071213; US 2004050225 A1 20040318; US 6913177 B2 20050705

DOCDB simple family (application)

EP 03020047 A 20030904; AT 03020047 T 20030904; CH 15482002 A 20020912; DE 60312787 T 20030904; US 66125503 A 20030912