

Title (en)  
Device for press-cutting and creasing

Title (de)  
Bogenstanz- und -prägemaschine

Title (fr)  
Presse de découpage et cannelage

Publication  
**EP 1431011 B1 20060510 (DE)**

Application  
**EP 03028663 A 20031216**

Priority  
DE 10259556 A 20021219

Abstract (en)  
[origin: EP1431011A1] The cardboard sheets are provided with the individually required openings by a punching tool and moved in a very fast motion to the next station with pushing and pulling bars carried on chains. The cardboard pieces cut out by the punching tool are removed in the next step while the sheet is positioned on top of a waste piece removal plate (15). In order to protect the sheets from being compressed by the pushing forces, a suction arrangement assembled of a pneumatic unit (23), transport ducts (25) and outlets (22) is integrated in the plate (15).

IPC 8 full level  
**B26D 7/01** (2006.01); **B41F 13/54** (2006.01); **B26D 7/02** (2006.01); **B26D 7/18** (2006.01); **B26F 1/38** (2006.01); **B65H 29/68** (2006.01)

CPC (source: EP US)  
**B26D 7/018** (2013.01 - EP US); **B26D 7/1818** (2013.01 - EP US); **Y10T 83/207** (2015.04 - EP US); **Y10T 83/2192** (2015.04 - EP US); **Y10T 83/6633** (2015.04 - EP US)

Cited by  
DE102008010985A1; EP1882657A3; US11331823B2; US7735824B2; EP2093176A2; US8079587B2

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 1431011 A1 20040623; EP 1431011 B1 20060510**; AT E325687 T1 20060615; DE 10259556 A1 20040701; DE 50303282 D1 20060614; ES 2263902 T3 20061216; JP 2004195646 A 20040715; US 2004149097 A1 20040805; US 7225731 B2 20070605

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