

Title (en)

CUTTING AND PUNCHING DEVICE FOR SHEET MATERIALS

Publication

**EP 0362019 B1 19930505 (FR)**

Application

**EP 89402546 A 19890918**

Priority

FR 8812488 A 19880923

Abstract (en)

[origin: EP0362019A1] Cutting and punching device for sheet materials, intended to be installed on an automatic cutting machine. The cutting tool is a vertical blade (20) and the punching tool is a vertical punch (35), which tools are integrally connected to each other by means of a base plate (4).  
<IMAGE>

IPC 1-7

**A41H 43/00**; **B26D 9/00**; **B26F 1/38**

IPC 8 full level

**B26D 5/00** (2006.01); **A41H 43/00** (2006.01); **B26D 9/00** (2006.01); **B26F 1/38** (2006.01)

CPC (source: EP US)

**B26D 9/00** (2013.01 - EP US); **B26F 1/38** (2013.01 - EP US); **B26F 1/382** (2013.01 - EP US); **Y10T 83/0572** (2015.04 - EP US); **Y10T 83/162** (2015.04 - EP US); **Y10T 83/8745** (2015.04 - EP US); **Y10T 83/8858** (2015.04 - EP US)

Cited by

CN104608193A; CN104723402A; CN103419248A; CN105856513A; EP0620072A1; CN106426380A; FR2695056A1; CN105881841A; WO9325352A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 0362019 A1 19900404**; **EP 0362019 B1 19930505**; AT E88943 T1 19930515; CA 1316812 C 19930427; DE 68906341 D1 19930609; DE 68906341 T2 19931202; ES 2041022 T3 19931101; FR 2636879 A1 19900330; FR 2636879 B1 19950127; JP H02139196 A 19900529; US 5044238 A 19910903

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