

Title (en)

Cutting and creasing die for the production of creased and cut shapes

Title (de)

Stanz- und Rillwerkzeug zur Herstellung von gerillten Stanzteilen

Title (fr)

Outil d'estampage et rainurage pour la production de pièces découpées et rainurées

Publication

EP 0790110 B1 20010606 (DE)

Application

EP 97102096 A 19970210

Priority

- DE 19605850 A 19960216
- DE 19615326 A 19960418

Abstract (en)

[origin: US5897479A] The punching and scoring tool produces scored punched parts from a material sheet and has a carrier board, which is provided on its underside with punching elements and a scoring plate, on the underside of which scoring projections are arranged. A punching/scoring plate, in which scoring grooves are formed under the scoring projections, is provided under the carrier board. Leveling bushes are provided in the carrier board and bear against the scoring plate to provide an accurate supporting plane for the scoring plate.

IPC 1-7

B26F 1/44; **B31B 1/22**

IPC 8 full level

B31B 1/14 (2006.01); **B26F 1/44** (2006.01); **B31B 50/16** (2017.01); **B31B 50/25** (2017.01); **B31F 1/08** (2006.01)

CPC (source: EP US)

B26F 1/44 (2013.01 - EP US); **B31B 50/16** (2017.07 - EP US); **B31F 1/08** (2013.01 - EP US); **B26F 1/40** (2013.01 - EP US); **B26F 2001/4445** (2013.01 - EP US); **B31B 50/252** (2017.07 - EP US); **Y10T 83/0207** (2015.04 - EP US); **Y10T 83/9423** (2015.04 - EP US)

Cited by

CN106827650A; EP3403782B1

Designated contracting state (EPC)

AT CH DK FI FR GB IE LI NL SE

DOCDB simple family (publication)

US 5897479 A 19990427; AT E201842 T1 20010615; DK 0790110 T3 20010716; EP 0790110 A1 19970820; EP 0790110 B1 20010606; JP H10705 A 19980106

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US 80082897 A 19970213; AT 97102096 T 19970210; DK 97102096 T 19970210; EP 97102096 A 19970210; JP 4712197 A 19970214