

Title (en)

Method and device for manufacturing a punch

Title (de)

Verfahren und Vorrichtung zur Herstellung einer Stanzung

Title (fr)

Procédé et dispositif destinés à la fabrication d'un estampage

Publication

EP 2184141 B1 20121205 (DE)

Application

EP 09174477 A 20091029

Priority

DE 102008056152 A 20081106

Abstract (en)

[origin: EP2184141A1] The method involves supplying a web or plate-like object (4) i.e. paperboard, to a punching station (1), and punching a set of parallel arranged punching sections (6) using a punching cylinder (2). Another set of parallel arranged punching sections (11) are punched using another punching cylinder (3). The latter set is aligned perpendicular to the former set. The object is punched by the cylinders during a continuous process. The punching sections are provided with protrusions (7, 12) and/or notches (8) aligned perpendicular to the punching sections. An independent claim is also included for a device for manufacturing a punch.

IPC 8 full level

B26D 11/00 (2006.01); **A63F 9/10** (2006.01); **B26F 1/38** (2006.01)

CPC (source: EP)

A63F 9/10 (2013.01); **B26D 11/00** (2013.01); **B26F 1/384** (2013.01); **A63F 2009/1072** (2013.01); **B26F 1/44** (2013.01); **B26F 2001/407** (2013.01)

Citation (examination)

- JP H06238059 A 19940830 - MATSURI KK
- US 2002093137 A1 20020718 - ENKO FREDERICK A [US]

Cited by

CN104786286A; US2022395997A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

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EP 2184141 A1 20100512; **EP 2184141 B1 20121205**; DE 102008056152 A1 20100512; DK 2184141 T3 20130318; ES 2400870 T3 20130415; HR P20130157 T1 20130331; PL 2184141 T3 20130531; PT 2184141 E 20130304

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