

Title (en)

Device for punching

Title (de)

Vorrichtung zum Stanzen

Title (fr)

Dispositif d'estampillage

Publication

EP 2087972 B1 20120215 (DE)

Application

EP 08105947 A 20081208

Priority

DE 102008008112 A 20080208

Abstract (en)

[origin: EP2087972A1] The device has a positive mold provided with a punching and/or grooving blade and connected with an upper cup. A negative mold comprises a vacuum plate (20) and held in a frame (24). A counter mold is screwed with the plate. The frame is connected with a lower cup (9) by a clamping mechanism such as pneumatic cylinder (21). The frame is horizontally movable together with the plate relative to the lower cup by an adjusting device (23), where the plate supports the counter mold that is formed by a punching sheet. An independent claim is also included for a method for punching a sheet made of paper or cardboard, in a sheet punching and/or embossing machine.

IPC 8 full level

B26D 7/20 (2006.01); **B26F 1/40** (2006.01); **B26F 1/44** (2006.01)

CPC (source: EP)

B26D 7/20 (2013.01); **B26F 1/40** (2013.01); **B26F 1/44** (2013.01); **B31B 50/252** (2017.07)

Cited by

WO2021032592A1; CN114245770A; CN113894872A; CN102285149A; WO2024094448A1; WO2024115330A1; US9102818B2; US8708881B2; US8777828B2; US11447631B2

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 2087972 A1 20090812; EP 2087972 B1 20120215; AT E545490 T1 20120315; DE 102008008112 A1 20090813

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