

Title (en)

Device for punching moving sheets of material

Title (de)

Vorrichtung zum Stanzen von sich bewegenden Materialbahnen

Title (fr)

Dispositif d'estampillage de bandes de matériaux se déplaçant

Publication

EP 2487015 B1 20210428 (DE)

Application

EP 11001073 A 20110210

Priority

EP 11001073 A 20110210

Abstract (en)

[origin: EP2487015A1] The punching device has two punching units (1a,1b) that are provided along movement direction (A) of sheet material (17). Each punching unit comprises two punching tools (2,2') which work together with a drivable counter-pressure cylinder (5). The punching tools are fixed along longitudinal axis (3a) of drive shaft (3) in different working positions. A punched tape is detachably fixed on periphery of each punching tool. The drive shaft is driven independently with respect to counter-pressure cylinder.

IPC 8 full level

B26D 7/18 (2006.01); **B21D 28/12** (2006.01); **B21D 28/36** (2006.01); **B26D 7/26** (2006.01); **B26D 11/00** (2006.01); **B26F 1/20** (2006.01); **B26F 1/38** (2006.01); **B26F 1/42** (2006.01)

CPC (source: EP US)

B21D 28/12 (2013.01 - EP US); **B21D 28/36** (2013.01 - EP US); **B26D 7/1854** (2013.01 - EP US); **B26D 7/2614** (2013.01 - EP US); **B26D 7/2628** (2013.01 - EP US); **B26D 11/00** (2013.01 - EP); **B26F 1/384** (2013.01 - EP US); **B26F 1/42** (2013.01 - EP US); **B26F 1/20** (2013.01 - EP US); **Y10T 83/2066** (2015.04 - EP US); **Y10T 83/207** (2015.04 - EP US); **Y10T 83/4838** (2015.04 - EP US)

Citation (examination)

- US 2010199822 A1 20100812 - DE MARCO GIULIANO [IT], et al
- US 3508460 A 19700428 - GOETTSCHE WALTER J

Cited by

DE102016011960A1; DE102016011960B4; DE102018106416A1; CN115382970A

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2487015 A1 20120815; **EP 2487015 B1 20210428**; US 2012204692 A1 20120816; US 2015068379 A1 20150312; US 8910551 B2 20141216

DOCDB simple family (application)

EP 11001073 A 20110210; US 201113337720 A 20111227; US 201414539380 A 20141112