

Title (en)

Drive device and punching machine with such a drive device

Title (de)

Antriebsvorrichtung und Stanzmaschine mit einer solchen Antriebsvorrichtung

Title (fr)

Dispositif d'entraînement et machine de poinçonnage dotée d'un tel dispositif d'entraînement

Publication

**EP 2719508 B1 20190710 (DE)**

Application

**EP 13184230 A 20130913**

Priority

DE 102012019991 A 20121012

Abstract (en)

[origin: EP2719508A1] The apparatus has an eccentric drive (200) with a powertrain and an eccentric shaft. The drive drives the eccentric shaft over the powertrain and attached with an eccentric cam on the eccentric shaft for stroke moving of a crucible (10). A roller shoe i.e. roller circulation shoe, is arranged in a force flow between the eccentric cam and the crucible for transmission of a punching- and/or embossing force of the eccentric cam on the crucible. The roller shoe comprises multiple roller-shaped rolling elements i.e. cylindrical rollers, which are guided in a cage.

IPC 8 full level

**B26D 5/16** (2006.01); **B26F 1/40** (2006.01)

CPC (source: EP)

**B26D 5/16** (2013.01); **B26F 1/40** (2013.01)

Citation (examination)

DE 3044083 A1 19820909 - WUPA MASCHF GMBH & CO [DE]

Cited by

CN116852456A; EP3132224B1

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 2719508 A1 20140416; EP 2719508 B1 20190710**; CN 103722588 A 20140416; CN 103722588 B 20170922;  
DE 102012019991 A1 20140417

DOCDB simple family (application)

**EP 13184230 A 20130913**; CN 201310467545 A 20131009; DE 102012019991 A 20121012