

Title (en)

Method for discharging sheet metal from stamping machines

Title (de)

Verfahren zum Ausschleusen von Blechteilen aus Stanzmaschinen

Title (fr)

Procédé destiné à évacuer des éléments en tôle de machines de poinçonnage

Publication

**EP 2184116 B1 20110706 (DE)**

Application

**EP 08019520 A 20081107**

Priority

EP 08019520 A 20081107

Abstract (en)

[origin: EP2184116A1] The method involves positioning sheet metal parts in an area of rotary axis of a tool upper part with a stamp (15) and a tool lower part with a punching tool (14). The tool upper part is descended, and a lower position of the tool upper part is maintained. The tool upper part and the tool lower part are rotated. The tool upper part is moved upwardly. The stamp is driven in a lower end position so that a sheet metal part is clamped between the stamp and the tool lower part. The stamp is driven in the lower end position so that the sheet metal part is punched between the stamp and the tool.

IPC 8 full level

**B21D 28/02** (2006.01); **B21D 28/26** (2006.01); **B21D 43/14** (2006.01); **B21D 43/28** (2006.01)

CPC (source: EP)

**B21D 28/02** (2013.01); **B21D 28/12** (2013.01); **B21D 28/265** (2013.01); **B21D 43/14** (2013.01); **B21D 43/282** (2013.01)

Cited by

CN113878027A; CN107876623A; CN113649491A; CN103237612A; FR3121622A1; CN116967354A; CN107983822A; US8887366B2; WO2012028549A1

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 2184116 A1 20100512**; **EP 2184116 B1 20110706**; AT E515335 T1 20110715; PL 2184116 T3 20111230

DOCDB simple family (application)

**EP 08019520 A 20081107**; AT 08019520 T 20081107; PL 08019520 T 20081107