

Title (en)

SHAPING OF HALF-OPEN METAL STAMPED PART

Title (de)

FORMEN VON HALBOFFENEN METALLSTANZTEILEN

Title (fr)

MISE A FORME D'EMBOUTI SEMI-OUVERT

Publication

EP 3297777 A1 20180328 (FR)

Application

EP 16729309 A 20160413

Priority

- FR 1554433 A 20150518
- FR 2016050857 W 20160413

Abstract (en)

[origin: WO2016185105A1] The invention relates to a method for shaping a part by stamping a sheet metal blank (2). Said method includes the following steps: (a) placing the sheet metal blank (2) onto equipment for shaping by stamping, said equipment including a die (4) and a punch (8) that is capable of engaging with the die (4) via insertion therein, and (b) bringing the die (4) and the punch (8) nearer to each other in a working direction, with a view to forming the part. In step (a), the sheet metal blank (2) includes at least one tab (22) at least at one edge, and in step (b), the or each tab (22) is folded between the die (4) and the punch (8) and ensures the sheet metal blank (2) is held. The invention also relates to the equipment (4, 6, 8) for carrying out the method in question.

IPC 8 full level

B21D 19/08 (2006.01); **B21D 22/26** (2006.01)

CPC (source: CN EP)

B21D 19/08 (2013.01 - CN EP); **B21D 22/20** (2013.01 - CN); **B21D 22/26** (2013.01 - CN EP); **B21D 53/88** (2013.01 - CN); **B21D 53/88** (2013.01 - EP)

Citation (search report)

See references of WO 2016185105A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2016185105 A1 20161124; CN 107666974 A 20180206; CN 107666974 B 20200414; EP 3297777 A1 20180328; EP 3297777 B1 20211124; ES 2901145 T3 20220321; FR 3036299 A1 20161125; FR 3036299 B1 20170519

DOCDB simple family (application)

FR 2016050857 W 20160413; CN 201680028951 A 20160413; EP 16729309 A 20160413; ES 16729309 T 20160413; FR 1554433 A 20150518