

Title (en)

Device and method for forming components made of metallic materials

Title (de)

Vorrichtung und Verfahren zur Umformung von Bauteilen aus Metallwerkstoffen

Title (fr)

Dispositif et procédé destinés à la déformation de composants en métal

Publication

EP 2821156 B1 20170809 (DE)

Application

EP 14172333 A 20140613

Priority

DE 102013213072 A 20130704

IPC 8 full level

B21C 23/00 (2006.01)

CPC (source: EP)

B21C 23/001 (2013.01); **B21C 23/004** (2013.01)

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 2821156 A1 20150107; EP 2821156 B1 20170809; DE 102013213072 A1 20150108

DOCDB simple family (application)

EP 14172333 A 20140613; DE 102013213072 A 20130704