

Title (en)  
DEVICE AND METHOD FOR SHAPING SHEET METAL

Title (de)  
VORRICHTUNG UND VERFAHREN ZUM FORMEN EINES BLECHES

Title (fr)  
DISPOSITIF ET PROCÉDÉ DE FAÇONNAGE D'UNE TÔLE

Publication  
**EP 3558557 A1 20191030 (DE)**

Application  
**EP 17801034 A 20171117**

Priority  
• DE 102016225986 A 20161222  
• EP 2017079532 W 20171117

Abstract (en)  
[origin: WO2018114156A1] The invention relates to a device (100) and a method for shaping sheet metal (1). The device is provided with a plurality of contacting and clamping elements (11, 12, 13) which are designed to cooperate with one another so as to clamp the sheet metal (1) for a shaping process by mechanically contacting the sheet metal (1) and by means of holding, orienting, and/or positioning processes, a plurality of actuators (21, 22, 23) which are designed to orient and/or position the plurality of contacting and clamping elements (11, 12, 13), and a controller (10) for the actuators (21, 22, 23), said controller being designed to control the plurality of actuators (21, 22, 23) for adjusting the orientation and/or position of the contacting and clamping elements (11, 12, 13).

IPC 8 full level  
**B21D 11/20** (2006.01); **B21D 5/00** (2006.01); **B21D 31/00** (2006.01)

CPC (source: EP US)  
**B21D 5/004** (2013.01 - EP US); **B21D 11/20** (2013.01 - EP US); **B21D 31/005** (2013.01 - EP US)

Citation (search report)  
See references of WO 2018114156A1

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 2018114156 A1 20180628**; CN 109789463 A 20190521; CN 109789463 B 20210803; DE 102016225986 A1 20180628; EP 3558557 A1 20191030; EP 3558557 B1 20210505; US 2019299265 A1 20191003

DOCDB simple family (application)  
**EP 2017079532 W 20171117**; CN 201780060440 A 20171117; DE 102016225986 A 20161222; EP 17801034 A 20171117; US 201916442625 A 20190617