

Title (en)

Bending tool for free-form bending of sheet metal and method for same

Title (de)

Biegewerkzeug für das Freiformbiegen von Blechen sowie Verfahren dazu

Title (fr)

Outil de pliage pour le pliage à forme libre de tôles et procédé associé

Publication

EP 2481492 A3 20121024 (DE)

Application

EP 12152728 A 20120126

Priority

AT 1122011 A 20110127

Abstract (en)

[origin: EP2481492A2] The tool (4) has a workpiece support part (32) arranged in an end section (28) of a base body (26) on a side of a tool plane (30) and displaceable relative to the body. The end section forms a bending region (29). Another workpiece support part (33) is arranged on another side of the plane and fixed relative to the body. An end region (38) of the former support part facing towards the bending region is subjected with support force or automatically resettably designed against bending force acting on a workpiece (2) to be formed, where the support force acts against the bending force. An independent claim is also included for a method for free-form bending of workpieces to be manufactured from sheet.

IPC 8 full level

B21D 5/02 (2006.01)

CPC (source: EP)

B21D 5/0209 (2013.01); **B21D 5/0263** (2013.01)

Citation (search report)

- [YD] NL 1014810 C2 20011019 - TEUNISSEN ADRIAAN [NL]
- [Y] FR 2873939 A1 20060210 - TECH METALLIQUES APPLIQUEES T [FR]
- [Y] US 5365766 A 19941122 - TAKAHASHI YUKIO [US], et al
- [Y] JP 2002120016 A 20020423 - TIGER KOSAN KK

Cited by

CN103100600A; CN103100605A; CN103111537A; EP4282552A4; CN103100606A; CN109047510A

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)

EP 2481492 A2 20120801; EP 2481492 A3 20121024; EP 2481492 B1 20160427; AT 510719 A4 20120615; AT 510719 B1 20120615

DOCDB simple family (application)

EP 12152728 A 20120126; AT 1122011 A 20110127