

Title (en)
Bending tool for free-form bending of sheet metal

Title (de)
Biegewerkzeug für das Freiformbiegen von Blechen

Title (fr)
Outil de pliage pour le pliage à forme libre de tôles

Publication
EP 2481492 B1 20160427 (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 (examination)
US 2006153943 A1 20060713 - LIN SHWU C [TW]

Cited by
CN103111537A; EP4282552A4; CN103100600A; CN103100606A; CN103100605A; 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

DOCDB simple family (publication)
EP 2481492 A2 20120801; EP 2481492 A3 20121024; EP 2481492 B1 20160427; AT 510719 A4 20120615; AT 510719 B1 20120615

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