

Title (en)

Tool for expanding a workpiece

Title (de)

Werkzeug zum Aufweiten eines Werkstücks

Title (fr)

Outil destiné à élargir une pièce usinée

Publication

EP 2228151 A3 20140101 (DE)

Application

EP 09177530 A 20091130

Priority

DE 202009003387 U 20090309

Abstract (en)

[origin: EP2228151A2] The device has a deformation element (10) for deforming a workpiece, and a deflecting section engaged at the deformation element. A support portion (1) is supported at a surface of a workpiece (7) and connected with the deflecting section. An eccentric cam (6) rotates around a rotational axis (11) that lies parallel to a longitudinal axis of the workpiece. A bracket (4) is arranged between the eccentric cam and the deformation element. The support portion has an opening (13) through which the deformation element is moved.

IPC 8 full level

B21D 41/02 (2006.01); **B21D 17/02** (2006.01); **B21D 39/08** (2006.01)

CPC (source: EP)

B21D 17/02 (2013.01); **B21D 39/08** (2013.01); **B21D 41/02** (2013.01)

Citation (search report)

- [XAI] FR 1352265 A 19640214
- [AD] DE 202008005983 U1 20080731 - IPA PRODUKTIONS UND VERTRIEBSG [AT]
- [A] DE 10325979 A1 20050105 - DAIMLER CHRYSLER AG [DE]
- [A] JP H09210013 A 19970812 - SHOWA AUTO ENG

Cited by

CN107737846A; CN116117012A; CN107876643A; CN107900240A

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

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