

Title (en)

Method and device for fine cutting of workpieces

Title (de)

Verfahren und Vorrichtung zum Feinschneiden von Werkstücken

Title (fr)

Procédé et dispositif destinés à couper fin des pièces à usiner

Publication

EP 2208552 B2 20140604 (DE)

Application

EP 09000652 A 20090119

Priority

EP 09000652 A 20090119

Abstract (en)

[origin: EP2208552A1] The method involves clamping a sheet metal between a press-plate and a cutting plate (15), and guiding a cutting stamp (11) by a workpiece guiding device. The workpiece is cut by a cutting contour and cutting surfaces of the cutting stamp. An opposite acting counter holder (14) is guided in the cutting plate. A vertical relative motion and a rotative relative motion are taken in relation to the cutting plate by the cutting stamp during the cutting process. Extensions of cutting surfaces are laid one above the other. An independent claim is also included for a device for fine cutting a workpiece.

IPC 8 full level

B21D 28/02 (2006.01); **B21D 28/16** (2006.01); **B21D 53/28** (2006.01); **B21K 1/30** (2006.01)

CPC (source: EP)

B21D 28/02 (2013.01); **B21D 28/16** (2013.01); **B21D 53/28** (2013.01)

Citation (opposition)

Opponent :

- DE 3423543 A1 19850103 - REPCO LTD [AU]
- DE 102004019673 A1 20041118 - NEUMAYER HOLDING GMBH [DE]
- WO 2004094083 A2 20041104 - NEUMAYER HOLDING GMBH [DE], et al
- DE 3234771 A1 19840322 - TEVES GMBH ALFRED [DE]
- F. KLOCKE ET AL.: "Fertigungsverfahren Umformen", VDI, no. 4, 2006

Cited by

US9676021B2; DE102011102288A1; EP2842653A1; DE102015204415A1; CN104001806A; CN108435912A; US2015183020A1; DE102011102288B4; DE102022205021A1

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