

Title (en)
Punch assembly

Title (de)
Stanzvorrichtung

Title (fr)
Dispositif de poinçonnage

Publication
EP 1593444 A1 20051109 (EN)

Application
EP 05103777 A 20050505

Priority
IT BO20040291 A 20040506

Abstract (en)
Sheet metal or similar is punched by means of a ram (6), which is moved in a straight reciprocating movement defined by a down stroke to punch at least one metal sheet, and by a return stroke, and has a first member (9) moved with a given law of motion during the down stroke and the return stroke, and a second member (19) which is connected in sliding manner to the first member (9), is brought into contact with a punch to punch the metal sheet, and is moved, during the down stroke, with substantially the same law of motion as the first member (9) when the metal sheet produces a resisting force below a given value, and with a law of motion different from that of the first member (9) when the metal sheet produces a resisting force at least equal to the given value. <IMAGE>

IPC 1-7
B21D 28/20; **B30B 15/16**

IPC 8 full level
B21D 28/20 (2006.01); **B30B 1/32** (2006.01); **B30B 15/16** (2006.01); **F15B 11/032** (2006.01)

CPC (source: EP)
B21D 28/20 (2013.01); **B30B 1/323** (2013.01); **B30B 15/161** (2013.01); **F15B 11/0325** (2013.01); **F15B 2211/214** (2013.01); **F15B 2211/30505** (2013.01); **F15B 2211/30525** (2013.01); **F15B 2211/327** (2013.01); **F15B 2211/50545** (2013.01); **F15B 2211/50563** (2013.01); **F15B 2211/5151** (2013.01); **F15B 2211/5153** (2013.01); **F15B 2211/7053** (2013.01); **F15B 2211/775** (2013.01)

Citation (search report)
• [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 12 3 January 2001 (2001-01-03)
• [A] PATENT ABSTRACTS OF JAPAN vol. 010, no. 118 (M - 475) 2 May 1986 (1986-05-02)
• [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 23 10 February 2001 (2001-02-10)

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JP2015042418A; DE102014214739B3; CN106536081A; EP3736061A1; CN111889561A; US10328478B2; WO2016016102A1; US11779988B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1593444 A1 20051109; IT BO20040291 A1 20040806

DOCDB simple family (application)
EP 05103777 A 20050505; IT BO20040291 A 20040506