

Title (en)

Device for forming blanks made by flexibly rolling a metal strip

Title (de)

Vorrichtung zum Umformen von Platinen aus flexibel gewalztem Metallband

Title (fr)

Dispositif de formage des platines fabriquées par laminage flexible des bandes métalliques

Publication

EP 1181995 B1 20051221 (DE)

Application

EP 01118046 A 20010725

Priority

DE 10041281 A 20000822

Abstract (en)

[origin: EP1181995A2] The blanks (1) have two sections of different thickness, with a transitional section on either side, which is to be moved to one side only. The forming surface of the tool facing the blank side to have the transitional section, has a shape to form that section, while the forming tool facing the blank side to be flat, is also flat. The forming tool has corresponding forming die (5) and mold (6), and a holding-down device (7). The appliance is esp. used for deep drawing, stretch-forming, or pressing.

IPC 1-7

B21D 11/20; **B21D 22/00**; **B21D 26/02**

IPC 8 full level

B21D 22/02 (2006.01); **B21D 22/20** (2006.01); **B21D 22/22** (2006.01); **B21D 22/26** (2006.01)

CPC (source: EP US)

B21D 22/02 (2013.01 - EP US); **B21D 22/26** (2013.01 - EP US); **B21D 35/006** (2013.01 - EP US)

Cited by

CN106133429A; RU2666382C2; AU2014377926B2; WO2015107280A3

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1181995 A2 20020227; **EP 1181995 A3 20030521**; **EP 1181995 B1 20051221**; AT E313398 T1 20060115; DE 10041281 A1 20020321; DE 10041281 C2 20020711; DE 50108440 D1 20060126; ES 2252119 T3 20060516; JP 2002126825 A 20020508; US 2002023475 A1 20020228; US 6536256 B2 20030325

DOCDB simple family (application)

EP 01118046 A 20010725; AT 01118046 T 20010725; DE 10041281 A 20000822; DE 50108440 T 20010725; ES 01118046 T 20010725; JP 2001249603 A 20010820; US 93372701 A 20010822