

Title (en)

Device for press-forming sheet materials and especially metal blanks.

Title (de)

Vorrichtung zum Formstanzen von Blattmaterialien, insbesondere von Blechplättchen.

Title (fr)

Dispositif d'emboutissage de matériaux en feuille notamment de flans de tôle.

Publication

EP 0491602 B1 19950503 (FR)

Application

EP 91403373 A 19911212

Priority

FR 9015866 A 19901218

Abstract (en)

[origin: EP0491602A1] The subject of the present invention is a device for press-forming sheet materials, especially metal blanks (20), comprising a pad (2) made from an elastic material housed in an enclosure (1), means for forming the metal blank which consist of a die (10) whose peripheral part forms an upper blank holder (11), and a lower blank holder (7) forming a support and holding member of at least one part of the metal blank (20) placed directly over the pad (2) made from elastic material and interacting with the upper blank holder (11) in order to grip the metal blank at least in localised zones. <??>The lower blank holder (7) bears on a sliding element (8) arranged around the lateral faces of the pad (2) made from an elastic material. <IMAGE>

IPC 1-7

B21D 22/10

IPC 8 full level

B21D 22/10 (2006.01); **B21D 24/04** (2006.01); **B21D 24/06** (2006.01)

CPC (source: EP US)

B21D 22/10 (2013.01 - EP US); **Y10T 29/49805** (2015.01 - EP US)

Cited by

CN105414354A; FR3018709A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0491602 A1 19920624; **EP 0491602 B1 19950503**; AT E121975 T1 19950515; DE 69109457 D1 19950608; DE 69109457 T2 19960104; ES 2071954 T3 19950701; FR 2670408 A1 19920619; FR 2670408 B1 19950317; JP H04305321 A 19921028; RU 2025169 C1 19941230; US 5255550 A 19931026

DOCDB simple family (application)

EP 91403373 A 19911212; AT 91403373 T 19911212; DE 69109457 T 19911212; ES 91403373 T 19911212; FR 9015866 A 19901218; JP 33515691 A 19911218; SU 5010545 A 19911217; US 80916191 A 19911218