

Title (en)

Forming and stamping machine with an additional forming device

Title (de)

Umform- und Stanzwerkzeug mit einer Zusatzumformvorrichtung

Title (fr)

Machine de formage et poinçage avec un appareil de formage auxiliaire

Publication

EP 0834357 A1 19980408 (DE)

Application

EP 97116408 A 19970922

Priority

IT MI962019 A 19961002

Abstract (en)

The forming and punching tool with an additional forming unit (2) is characterised by the following: (a) a tool holder (4) is installed movably against the action of a spring (5) in the interior of a tubular housing (3) joined to an element of the tool; (b) at the end opposite to tool holder, the housing is provided with a through opening (13) serving for passage of a drive (12, 14) joined to the movable element (1) of the tool; (c) the housing (3) accommodates a lever (8) which is pivotable about an axle (4); and (d) an opening (11) is provided to accommodate the lever (8) during its pivot motion (f).

Abstract (de)

Die Erfindung betrifft ein Umform- und Stanzwerkzeug bestehend aus einem ortsfest angeordneten Bauteil sowie einem beweglichen Bauteil, wobei mit dem ortsfest angeordneten Bauteil des Werkzeuges eine Zusatzvorrichtung in Form einer Loch- oder Stanzeinrichtung verbunden ist, die ueber ein Antriebsorgan, das mit dem beweglichen Bauteil des Werkzeuges verbunden ist, betaeigbar ist. <IMAGE>

IPC 1-7

B21D 37/08; **B21D 37/00**

IPC 8 full level

B21D 22/26 (2006.01); **B21D 28/00** (2006.01); **B21D 28/32** (2006.01)

CPC (source: EP)

B21D 22/26 (2013.01); **B21D 28/002** (2013.01); **B21D 28/32** (2013.01)

Citation (search report)

[XA] US 3858427 A 19750107 - EUTENEUER FRED, et al

Cited by

CN113905833A; WO2020233903A1

Designated contracting state (EPC)

BE CH DE DK ES FR GB IT LI NL PT SE

DOCDB simple family (publication)

EP 0834357 A1 19980408; **EP 0834357 B1 20000712**; DE 59702002 D1 20000817; ES 2150178 T3 20001116; IT 1284906 B1 19980528; IT MI962019 A1 19980402

DOCDB simple family (application)

EP 97116408 A 19970922; DE 59702002 T 19970922; ES 97116408 T 19970922; IT MI962019 A 19961002