

Title (en)
Machine for forming workpieces

Title (de)
Bearbeitungsmaschine zum Umformen von Werkstücken

Title (fr)
Machine pour former des pièces

Publication
EP 0739663 A3 19970827 (DE)

Application
EP 96104110 A 19960314

Priority
DE 29506877 U 19950424

Abstract (en)
[origin: EP0739663A2] The machine comprises a tool which consists of two halves (1,23) at opposite sides of the workpiece. One half (23) moves against the latter, and works with a punch (4) in the other half (1). The punch moves against the workpiece, and is driven by the half on the opposite side and in the opposite direction to the latter, either via the workpiece itself or a support for it. The workpiece can act on a ram supplying a medium under pressure to the punch. The ram can be pneumatic or hydraulic, or a mechanical drive with wedge or lever can be used. The punch can be mounted on a thrust-piece sliding in the tool half (1).

IPC 1-7
B21D 28/24; **B21D 22/04**

IPC 8 full level
B21D 28/02 (2006.01); **B21D 22/04** (2006.01); **B21D 22/06** (2006.01); **B21D 28/14** (2006.01); **B21D 28/24** (2006.01); **B21D 37/08** (2006.01); **B30B 15/02** (2006.01)

CPC (source: EP US)
B21D 22/04 (2013.01 - EP US); **B21D 22/06** (2013.01 - EP US)

Citation (search report)

- [X] FR 2566293 A1 19851227 - ATELIER MECA BUREAU ETU LUCONN [FR]
- [X] GB 2124954 A 19840229 - BEHRENS AG C
- [X] EP 0572301 A1 19931201 - ISOFORM [FR]
- [X] US 5005396 A 19910409 - DESMET GABRIEL [FR]

Cited by
CN103990708A; CN103286189A; EP0888833A1; CN103990706A

Designated contracting state (EPC)
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DE 29506877 U1 19950622; DE 59605281 D1 20000629; EP 0739663 A2 19961030; EP 0739663 A3 19970827; EP 0739663 B1 20000524; JP H08323432 A 19961210; US 5778721 A 19980714

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