

Title (en)  
Machine for forming workpieces

Title (de)  
Bearbeitungsmaschine zum Umformen von Werkstücken

Title (fr)  
Machine pour former des pièces

Publication  
**EP 0739663 B1 20000524 (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)

Cited by  
CN103990708A; CN103286189A; EP0888833A1; CN103990706A

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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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**DE 29506877 U 19950424**; DE 59605281 T 19960314; EP 96104110 A 19960314; JP 11952996 A 19960418; US 63697896 A 19960424