

Title (en)
PUNCHING DEVICE

Publication
EP 0200775 B1 19880107 (DE)

Application
EP 85905793 A 19851025

Priority
DE 3439316 A 19841026

Abstract (en)
[origin: WO8602584A1] A punching tool comprises a punching die (16) and a counter mold (18), and work-piece transportation unit (24) arranged in the machine frame (14) of a punching device used for automatically deburring injected parts or castings. The work-piece transportation unit (24) timely pivots about a pivot (22) secured to the frame and is provided with a work-piece holder at the end of a pivoting arm (26) to receive the casting (12) to be deburred. In order to make possible the deburring of relatively massive castings, it is of robust construction, and simple motions of the work-piece holder enable to accurately supplying the work-pieces to the punching machine and to take away the deburred parts from the punched parts. The work-piece holder for transporting the cast parts (12) up to the punching position is comprised of a tool half (punching die 16) secured to the end of the pivoting arm (26) at a constant distance from the pivot (22) and of which the main plane (surface 28) is parallel to the pivot (22). Initially, the die (16) is turned towards a work-piece supply device (30), secondly it is parallel and opposite to the counter mold (18), and thirdly it is turned towards a scrap collector (38).

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Cited by
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WO 8602584 A1 19860509; AU 5192486 A 19860515; DE 3439316 A1 19860430; DE 3439316 C2 19930318; EP 0200775 A1 19861112; EP 0200775 B1 19880107; FR 2619033 A3 19890210; FR 2619033 B3 19890616; JP H0152104 B2 19891107; JP S61103659 A 19860522; US 4665785 A 19870519

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