

Title (en)
Casted forged parts without ejector traces

Title (de)
Gegossene Schmiedeteile ohne Auswerferspuren

Title (fr)
Pièces coulées forgées sans traces d'éjecteurs

Publication
EP 1375026 A3 20060524 (FR)

Application
EP 03356082 A 20030527

Priority
FR 0206873 A 20020531

Abstract (en)
[origin: EP1375026A2] Ejection of workpieces obtained by casting and forging of light metals, e.g., aluminum and its alloys, involves moving the receiving areas of the ejector pins from the body of the preform (2) to the side peripheral edge. During forging, the zones allowing ejection of the preform are (2b) located in the burr of the forged workpiece and are cut and removed at the same time as the burr. Preferred Features: Along the side peripheral edge of the preform and outside the piece to be produced, there are one or more continuous or spaced projecting zones that can constitute base planes that can make contact with an ejector pin assembly for lifting the preform out of its die. The invented process is applied in a COBAPRESS procedure (outlined in EP119365A) involving successive operations of casting and forging of workpieces.

IPC 8 full level
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CPC (source: EP)
B21J 5/00 (2013.01); **B21J 5/002** (2013.01); **B21J 5/02** (2013.01); **B21J 13/14** (2013.01)

Citation (search report)

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- [X] DE 2233267 A1 19730125 - MARSHALL FOWLER LTD
- [DA] EP 0119365 A1 19840926 - SERIO THOMAS DI
- [X] PATENT ABSTRACTS OF JAPAN vol. 010, no. 122 (M - 476) 7 May 1986 (1986-05-07)

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