

Title (en)
PRESSURE CASTING PROCESS

Publication
EP 0099104 A3 19840222 (DE)

Application
EP 83106811 A 19830711

Priority
BG 5740582 A 19820714

Abstract (en)
[origin: EP0099104A2] 1. Pressure casting process in which the melt is conveyed from a melt container (1) through a duct (2) for material to a hollow chamber of a casting mould (3) under the effect of a pressure differential between the melt container (1) and the casting mould (3) and in which, after the filling of the hollow chamber (4) of the casting mould (3), the melt is cooled at additionally produced elevated pressure, with the melt being exposed in the casting mould (3) to a double-sided final pressing, characterised in that a residual space (5) of the casting mould (3) is exposed during the charging to an essentially elevated additional gas pressure as remotely applied final pressure and this increased additional gas pressure is balanced by means of a variable counter pressure on the side of the casting entry opening as casting side final pressure until there is complete charging of the casting mould.

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B22D 18/00

IPC 8 full level
B22D 18/06 (2006.01); **B22D 17/00** (2006.01); **B22D 17/14** (2006.01); **B22D 18/00** (2006.01); **B22D 18/02** (2006.01)

CPC (source: EP)
B22D 18/00 (2013.01)

Citation (search report)
• [Y] EP 0005239 A1 19791114 - LEIBFRIED DIETER DR ING [DE]
• [Y] FR 2340158 A1 19770902 - FATA SPA [IT]
• [A] DE 1178979 B 19641001 - BALGARSKA AKADEMIA NA NAUKITE
• [X] MACHINERY AND PRODUCTION ENGINEERING, Band 108, 23. Februar 1966, Seiten 432-434

Cited by
EP0585598A1; US6321825B1; DE3618059A1; EP0221196A1; GB2294000A; US5787961A; GB2294000B; US6053997A; US8434460B2

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AT BE CH DE FR GB IT LI LU NL SE

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