

Title (en)

PROCESS AND PLANT FOR PRESSURE CASTING

Publication

EP 0241426 B1 19890712 (DE)

Application

EP 87810211 A 19870406

Priority

- CH 144286 A 19860411
- CH 144386 A 19860411

Abstract (en)

[origin: EP0241426A1] 1. Process for the production of castings free from shrinkage cavities from metals or their alloys, by pressing of the melt under high casting pressure into an impression (3), the metal being kept under pressure during solidification, characterized in that, after solidification of the entire surface of the casting and of at least 10 % of the casting volume, but before release from the die, high pressure gas is introduced into the impression (3) and the latter is subjected to pneumatic pressure of at least 2 MPa, preferably 10 to 50 MPa.

IPC 1-7

B22D 17/14; **B22D 27/13**

IPC 8 full level

B22D 17/14 (2006.01); **B22D 27/13** (2006.01)

CPC (source: EP)

B22D 17/145 (2013.01); **B22D 27/13** (2013.01)

Cited by

DE102017109716B3; AU600413B2; AU592905B2; CN113000809A; EP0790090A3; DE102012023214B3; US6024158A; EP0441289A1; WO9629165A1; WO2006045589A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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