Title (en)

PROCESS FOR THE LOST FOAM CASTING UNDER PRESSURE OF METAL PIECES

Publication

EP 0386384 B1 19920930 (FR)

Application

EP 89420215 A 19890613

Priority

FR 8903706 A 19890307

Abstract (en)

[origin: EP0386384A1] This process consists in applying the increasing isostatic gas pressure to the mould after it has been filled at a rate of increase such that the said pressure generates, rapidly and temporarily as a result of pressure drop through the sand, an excess pressure of the molten metal relative to the sand at the level of their interface, this excess pressure reaching a value lying between two limits and subsequently increasing as the said pressure increases, and then in maintaining the said pressure at a constant level until the part has completely solidified. This invention finds its application in the production of parts, in particular made from aluminium alloys, having, apart from an improved compactness, a surface which is free of blowholes and carbonaceous inclusions.

IPC 1-7

B22C 9/04; B22D 27/13

IPC 8 full level

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