

Title (en)

Lost foam low-pressure casting of aluminium-alloy pieces.

Title (de)

Niederdruck-Vollformgiessverfahren von Gegenstände aus Aluminiumlegierung.

Title (fr)

Procédé de moulage à mousse perdue et sous basse pression de pièces en alliage d'aluminium.

Publication

EP 0461052 B1 19940727 (FR)

Application

EP 91420178 A 19910605

Priority

FR 9007736 A 19900607

Abstract (en)

[origin: EP0461052A1] The invention relates to lost-foam casting of metal pieces, particularly from aluminium alloy. <??>It relates to aluminium-alloy pieces having a wide solidification range (gap) and having a high ratio of length to modulus over the path between the point where the contraction cavity forms and the riser (feeder) and consists in applying a gaseous pressure to the mould of between 0.1 and 0.5 MPa. <??>It permits the production, in particular, of motor-vehicle cylinder heads having no pinholes (pitting) or porous (spongy) contraction cavity, and of all pieces with high-performance mechanical properties. <IMAGE>

IPC 1-7

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IPC 8 full level

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