

Title (en)

Process and apparatus for metal casting.

Title (de)

Verfahren und Vorrichtung zum Metallgiessen.

Title (fr)

Procédé et dispositif pour la coulée du métal.

Publication

EP 0293960 A1 19881207 (EN)

Application

EP 88200894 A 19880506

Priority

GB 8712742 A 19870530

Abstract (en)

A process and apparatus are described for the production of cast components having reduced porosity levels. The process comprises the steps of at least partially melting a metal charge, pouring the melted metal into a mould (14) which is in a first chamber (11), withdrawing the filled mould (14) into a second chamber (30), isolating the second chamber (30) from the first chamber (10) with regard to pressure and then pressurising the second chamber with a fluid up to a maximum pressure of 7 MPa for at least part of the time required for solidification of the metal in the mould. The pressure is preferably applied within 40 seconds from the finish of pouring of the molten metal and more preferably within 20 seconds.

IPC 1-7

B22D 27/13

IPC 8 full level

B22D 27/13 (2006.01)

CPC (source: EP)

B22D 27/13 (2013.01)

Citation (search report)

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Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

EP 0293960 A1 19881207; EP 0293960 B1 19920826; DE 3873994 D1 19921001; DE 3873994 T2 19930408; GB 2206512 A 19890111; GB 2206512 B 19910619; GB 8712742 D0 19870701; GB 8810846 D0 19880608

DOCDB simple family (application)

EP 88200894 A 19880506; DE 3873994 T 19880506; GB 8712742 A 19870530; GB 8810846 A 19880506