

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.

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Application
EP 88200894 A 19880506

Priority
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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.

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IPC 8 full level
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CPC (source: EP)
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Citation (search report)

- [XP] DE 3603310 A1 19870806 - LEYBOLD HERAEUS GMBH & CO KG [DE]
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AT402615B; CN113894266A; EP0728546A3; CN111112587A; CN117226076A

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