

Title (en)

Method of and apparatus for low-pressure casting.

Title (de)

Verfahren und Vorrichtung zum Wiederdruckgiessen.

Title (fr)

Procédé et dispositif pour a coulée sous basse pression.

Publication

**EP 0646429 A1 19950405 (EN)**

Application

**EP 94113720 A 19940901**

Priority

- JP 21842293 A 19930902
- JP 5376094 A 19940324
- JP 19301494 A 19940817

Abstract (en)

A casting mold for a low-pressure casting apparatus can be opened and closed and is closed to form therein a cavity (7) which is filled with molten metal to form a cast product. The casting mold includes an upper mold (3) of metal, a lower mold (2) of metal and a sand mold (4) which is disposed between the upper and lower molds and forms a part of the cavity (7). A top wall of the cavity is formed by a lower surface (3a) of the upper mold, at least a part of a side wall of the cavity is formed by the sand mold so that the upper mold contacts with the molten metal filled in the cavity (7) in a larger area than the lower mold. <IMAGE>

IPC 1-7

**B22C 9/06**; **B22D 18/04**

IPC 8 full level

**B22C 9/06** (2006.01); **B22D 18/04** (2006.01)

CPC (source: EP)

**B22C 9/061** (2013.01); **B22D 18/04** (2013.01)

Citation (search report)

- [A] DE 2646187 A1 19780420 - BERTLAND TURE ARVID
- [A] GB 2208817 A 19890419 - HONDA MOTOR CO LTD [JP]
- [DX] PATENT ABSTRACTS OF JAPAN vol. 12, no. 294 (M - 730) 11 August 1988 (1988-08-11)
- [A] DATABASE WPI Week 9036, Derwent World Patents Index; AN 90-272876 #36!
- [A] DATABASE WPI Week 7932, Derwent World Patents Index; AN 79-58684 #32!
- [A] DATABASE WPI Week 7851, Derwent World Patents Index; AN 78-91926 #51!

Cited by

EP0872295A1; WO2005002761A1

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**EP 0646429 A1 19950405**; **EP 0646429 B1 19981209**; JP H07308750 A 19951128

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