

Title (en)

Casting method and casting apparatus

Title (de)

Gießverfahren und -Vorrichtung

Title (fr)

Procédé de moulage et appareil de moulage

Publication

**EP 2347840 A3 20111109 (EN)**

Application

**EP 11151616 A 20110121**

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- JP 2010063237 A 20100318
- JP 2010063241 A 20100318
- JP 2010063246 A 20100318

Abstract (en)

[origin: EP2347840A2] A casting apparatus (10A) has a long cooling jig (18) inclined with respect to a vertical direction. A melt (34) is supplied to and flowed on a bottom surface (36a) of the cooling jig (18), whereby a solid phase is generated in the melt (34) to obtain a semi-solid slurry (48), and the semi-solid slurry (48) is transferred into and solidified in a cavity (24) of a mold (12) to obtain a casting. The casting apparatus (10A) further has a release agent application unit (42), and a release agent (44) is applied by the application unit (42) to the bottom surface (36a) of the cooling jig (18) in a direction toward a supply of the melt (34) at an angle of less than 90° to the bottom surface (36a) before supplying the melt (34) to the cooling jig (18).

IPC 8 full level

**B22D 17/30** (2006.01); **B22D 25/00** (2006.01)

CPC (source: EP US)

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Citation (search report)

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Designated contracting state (EPC)

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