

Title (en)

CASTING DEVICE WITH FINAL COMPRESSION

Title (de)

GIESSVORRICHTUNG MIT NACHVERDICHTUNG

Title (fr)

DISPOSITIF DE COULEE AVEC COMPRESSION FINALE

Publication

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Application

**EP 00972579 A 20000907**

Priority

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Abstract (en)

[origin: WO0117714A1] The invention relates to a device for the pressure supported and/or vacuum supported casting of workpieces comprising a first pressure generating device (22), arranged in a smelting furnace (10) in which smelts are located (26) that generates a predefined pressure therein. An ascending pipe (24) dips into the smelt (26) and has a mould cavity (28) which is connected to a casting mould (30). Closing means are provided in order to close the ascending pipe (24) in a pressure tight manner at the downstream side of the mould cavity (28). A second pressure generating device is provided which adjusts the pressure of said ascending pipe (28) to a predetermining final compression pressure. The closing means (36) and the second pressure generating device (38) have the shape of a piston which is arranged in an axially aligned manner relative to the end on the mould cavity side of the ascending pipe (24) in a mould cavity extension (80) whose inner diameter is larger than that of the ascending pipe (24).

IPC 1-7

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IPC 8 full level

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