

Title (en)
Process and device for metalcasting

Title (de)
Metallgiessverfahren und -vorrichtung

Title (fr)
Procédé et dispositif pour la coulée de métal

Publication
EP 1213070 B1 20040707 (DE)

Application
EP 01126259 A 20011106

Priority
DE 10061026 A 20001208

Abstract (en)
[origin: EP1213070A2] Metal casting process comprises continuously measuring the filling level in the filling pipe in the post-filling phase of a melting furnace; and holding the metal meniscus at a level in the pipe corresponding to the level of the outlet region on the casting mold side for the duration of the post-filling process. An Independent claim is also included for a metal casting device, comprising a melting furnace (2) containing a metal bath (4), a riser pipe (6) immersed in the metal bath to convey the molten metal to the casting mold (8), a filling pipe immersed in the bath, a sensor (24) for measuring the melt condition in the filling pipe, and a gas pressure regulating system (16).

IPC 1-7
B22D 18/04; **B22D 18/08**

IPC 8 full level
B22D 18/04 (2006.01); **B22D 18/08** (2006.01)

CPC (source: EP)
B22D 18/04 (2013.01); **B22D 18/08** (2013.01)

Cited by
CN104471031A; CN113333715A

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
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