

Title (en)

Method and device for compensating for loss of metalostatic pressure during casting of molten metal onto a moving chilled surface.

Title (de)

Verfahren und Vorrichtung zum Kompensieren des metallostatischen Druckverlustes beim Giessen flüssiger Metalle auf eine gekühlte sich bewegende Oberfläche.

Title (fr)

Procédé et dispositif pour compenser la perte de pression métalostatique pendant la coulée d'un métal liquide sur une surface refroidie mouvante.

Publication

**EP 0189313 A2 19860730 (EN)**

Application

**EP 86300408 A 19860121**

Priority

GB 8501575 A 19850122

Abstract (en)

A method and a device for compensating for loss of metalostatic pressure during the casting of molten metal 1 under gas pressure from a slit 5 in a container 3 onto a moving chilled surface 6 in which some of the molten metal 1 is allowed to penetrate into a chamber 12 maintained at a gas pressure different from the gas pressure in the container 3 and the extent to which the metal 1 penetrates into the chamber 12 is used to control an increasing or a decreasing of the gas pressure in the container 3 to compensate for the loss of metalostatic pressure. Preferably the extent of penetration is sensed by an electrically conductive probe 13 which is part of a circuit closable by the molten metal 1 coming into contact with the probe 13.

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IPC 8 full level

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Cited by

TR25583A; EP0534174A1; AU648080B2; US5190674A; US7975752B2; WO9408742A1; WO9115320A3; WO2004112992A3; US7472740B2; US7819170B2; US8312915B2; US8415025B2; US8927113B2

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