Title (en)
PROCESS AND DEVICE FOR THE CONTINUOUS CASTING OF METALS BY ONE OR SEVERAL LINES

Publication
EP 0005820 B1 19821208 (DE)

Application
EP 79101640 A 19790529

Priority
CH 599778 A 19780601

Abstract (en)
[origin: EP0005820A1] 1. A method for the continuous casting of metal in singlestrand or multi-strand installations wherein the metal, especially steel, is poured from a casting vessel (2) through a casting tube (4) into at least one oscillating mould (1) having a closed-off gas-filled cavity (5) which is located above the bath level (6) in the mould and is under pressure and into which inert gas is introduced during casting and is then separated off upwardly into the atmosphere in the form of bubbles flowing in the direction opposite to that of the metal flowing into the casting tube, characterized in that, by means of a constant inflow of gas, the gas pressure in the cavity is held constantly and automatically at a value equal to the static pressure of the column of metal, irrespective of the height of the column of metal above the bath level in the mould.

IPC 1-7
B22D 11/16; B22D 11/10; G05D 7/00

IPC 8 full level
B22D 11/10 (2006.01); **B22D 11/106** (2006.01); **B22D 11/11** (2006.01); **B22D 11/14** (2006.01); **B22D 11/16** (2006.01); **B22D 11/18** (2006.01); **G05D 7/00** (2006.01)

CPC (source: EP)
B22D 11/106 (2013.01); **B22D 11/11** (2013.01); **B22D 11/147** (2013.01); **B22D 11/18** (2013.01)

Citation (examination)
FR 2022841 A1 19700807 - VAW VER ALUMINIUM WERKE AG

Cited by
EP0352356A1; EP0255450A3; EP0943380A1; CN112276028A; DE3917403A1; DE3917403C2

Designated contracting state (EPC)
AT BE DE FR GB IT LU SE

DOCDB simple family (publication)
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