

Title (en)  
MOULD PIPE FOR A CONTINUOUS CASTING MOULD FOR THE CONTINUOUS CASTING OF STEELS, ESPECIALLY PERITECTIC STEELS

Title (de)  
KOKILLENROHR FÜR EINE STRANGGIESSKOKILLE ZUM STRANGGIESEN VON STÄHLEN, INSBESONDERE PERITEKTISCHEN STÄHLEN

Title (fr)  
TUBE POUR LINGOTIERE DE COULEE CONTINUE D'ACIERS, NOTAMMENT D'ACIERS PERITECTIQUES

Publication  
**EP 1019208 B1 20020814 (DE)**

Application  
**EP 98948969 A 19980914**

Priority  
• CH 229797 A 19971001  
• EP 9805828 W 19980914

Abstract (en)  
[origin: WO9916564A1] The invention relates to a mould pipe for a continuous casting mould for the continuous casting of steels, especially peritectic steels. The inventive pipe has a first longitudinal section (1) incorporating a predetermined position for the level (h) of liquid metal in the mould, and a second longitudinal section (2) following on from said first section. The first longitudinal section (1) comprises a heat-insulating layer (16), the dimensions of which are such that the heat resistance of the mould pipe (10) in the first longitudinal section (1) is greater than that in the second longitudinal section (2). The heat-insulating layer (16) fills an area from the outer surface (11) of the mould pipe (10) to a distance equivalent to at most 75 % of the thickness of the mould pipe wall (dw) measured from said outer surface (11) of the mould pipe (10). By selecting the appropriate thickness profile for the heat-insulating layer in the direction of strand withdrawal (14), it is possible to set a given temperature profile on the inside of the mould pipe during a casting operation and optimise the growth of a strand shell.

IPC 1-7  
**B22D 11/04**

IPC 8 full level  
**B22D 11/04** (2006.01); **B22D 11/043** (2006.01); **B22D 11/059** (2006.01)

CPC (source: EP)  
**B22D 11/04** (2013.01)

Cited by  
US11458649B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB IT LI LU PT SE

DOCDB simple family (publication)  
**WO 9916564 A1 19990408**; AR 015459 A1 20010502; AT E222150 T1 20020815; CZ 20001187 A3 20010613; CZ 289354 B6 20020116; DE 59805207 D1 20020919; EP 1019208 A1 20000719; EP 1019208 B1 20020814; ES 2182361 T3 20030301; JP 2001518394 A 20011016; JP 4393698 B2 20100106; RU 2203158 C2 20030427; TW 483783 B 20020421; ZA 988870 B 19990401

DOCDB simple family (application)  
**EP 9805828 W 19980914**; AR P980104803 A 19980925; AT 98948969 T 19980914; CZ 20001187 A 19980914; DE 59805207 T 19980914; EP 98948969 A 19980914; ES 98948969 T 19980914; JP 2000513688 A 19980914; RU 2000110734 A 19980914; TW 87116270 A 19980930; ZA 988870 A 19980929