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 STRANGGIESSEN VON STÄHLEN, INSBESONDERE PERITEKTISCHEN STÄHLEN

Title (fr)

TUBE POUR LINGOTIERE DE COULEE CONTINUE D'ACIERS, NOTAMMENT D'ACIERS PERITECTIQUES

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Application

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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.

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IPC 8 full level (invention and additional information)

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CPC (invention and additional information)

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