

Title (en)

METHOD AND DEVICE FOR GENERATING HOT STEAM IN A CONTINUOUS CASTING MACHINE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERZEUGUNG VON HEISSDAMPF IN EINER STRANGGIESSMASCHINE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE PRODUCTION DE VAPEUR SURCHAUFFÉE DANS UNE MACHINE DE COULÉE CONTINUE

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Application

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Abstract (en)

[origin: WO2011151162A1] The present invention relates to a method and a device for generating hot steam in a continuous casting machine and to the use of the device in a continuous casting installation for producing a strand of steel. The object of the invention is to provide a method and a device for generating hot steam with which great amounts of heat can be removed from the mould even at relatively low temperatures and, nevertheless, the hot steam has a high energy content, allowing it to be fed to a steam turbine for heat recovery. This object is achieved by a method in which an organic cooling medium, in particular an alcohol or a thermal oil, is used and the hot steam has before expansion a temperature of 180 to 400°C.

IPC 8 full level

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