

Title (en)

METHOD AND DEVICE FOR PRODUCING "LIGHT STEEL" BY CONTINUOUS CASTING WITH GAS INCLUSION

Title (de)

VERFAHREN UND ANLAGE ZUR HERSTELLUNG VON "LEICHTSTAHL" IN FORM VON STRANGGUSS UNTER GASEINSCHLUSS

Title (fr)

PROCEDE ET INSTALLATION POUR LA FABRICATION D'ACIER LEGER EN COULEE CONTINUE AVEC INCLUSION GAZEUSE

Publication

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Application

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Abstract (en)

[origin: US6263953B1] The problem with continuous casting methods is the production in a single cast of structured material shapes presenting hollow cavities. To this end the invention provides for a continuous casting method comprising the following steps: a) the material is melted and a continuous strand formed from said material; b) the material strand is cooled or left to cool so that at least a part thereof has a temperature at which its structure is pasty; c) gas is introduced into that part of the material strand which has a pasty structure so as to form hollow cavities, the material strand being moved from the top towards the bottom; and d) the material is left to solidify. The invention also relates to a device for carrying out this method.

IPC 1-7

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