

Title (en)
FACILITY AND METHOD FOR THE CONTINUOUS CASTING OF METALS

Title (de)
VERFAHREN UND ANLAGE STRANGGIESSEN VON METALL

Title (fr)
PROCEDE ET INSTALLATION DE COULEE CONTINUE DES METAUX

Publication
EP 0958073 A1 19991124 (FR)

Application
EP 97919471 A 19970403

Priority
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Abstract (en)
[origin: US6260605B1] The continuous casting installation includes an ingot mould the walls (1) of which are formed by cooled metal walls (2) surmounted by a hot-top element (3) made of a heat insulating material. Holes for injecting a gas under pressure, such as a slot (10), lead into the ingot mould at least at the interface between the hot-top element and the metal wall. The insulation includes means (13 to 17), connected to the said holes, for supplying a gas or a gaseous mix with a thermal expansion capacity adjustable according to the composition of the cast metal alloy and the casting conditions. The adjustment of the thermal expansion capacity of the injected gas enables the adjustment of the heat flux density extracted from the cast metal in the zone where it starts to solidify.

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