

Title (en)
PROCESS AND DEVICE FOR COOLING MOLTEN STEEL

Title (de)
VERFAHREN UND VORRICHTUNG ZUM KÜHLEN SCHMELZFLÜSSIGEN STAHL

Title (fr)
PROCEDE ET DISPOSITIF DE REFROIDISSEMENT D'ACIER EN FUSION

Publication
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Application
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Abstract (en)
[origin: DE4407873A1] A process is disclosed for cooling molten steel, in particular by continuous casting of hoop-steel. At least part of the molten mass that leaves a metallurgical vessel through a metal nozzle solidifies when contacting a cooling surface. According to the invention, a gaseous stream that forms a reducing atmosphere is directed onto the surface of the freely accessible liquid hoop-steel immediately after it leaves the metal nozzle and the surface of the hoop-steel is exposed to this gaseous atmosphere at least until it is completely solidified.

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