

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  
**EP 0746434 B1 19981230 (DE)**

Application  
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Priority  
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Abstract (en)  
[origin: US5836377A] PCT No. PCT/DE95/00196 Sec. 371 Date Oct. 3, 1996 Sec. 102(e) Date Oct. 3, 1996 PCT Filed Feb. 10, 1995 PCT Pub. No. WO95/23661 PCT Pub. Date Sep. 8, 1995A process 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. 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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