Title (en)
METHOD OF ADJUSTING THE COMPOSITION OF A MOLTEN METAL SUCH AS STEEL, AND PLANT FOR IMPLEMENTATION THEREOF

Title (de)
VERFAHREN UND VORRICHTUNG ZUR EINSTELLUNG DER LEGIERUNGSZUSAMMENSETZUNG EINES FLÜSSIGEN METALLS, Z.B STAHL

Title (fr)
PROCEDE DE REGLAGE DE LA COMPOSITION D'UN METAL LIQUIDE TEL QUE L'ACIER, ET INSTALLATION POUR SA MISE EN OEUVRE

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Application
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Abstract (en)
[origin: US5868816A] PCT No. PCT/FR94/01161 Sec. 371 Date May 20, 1996 Sec. 102(e) Date May 20, 1996 PCT Filed Oct. 5, 1994 PCT Pub. No. WO95/10377 PCT Pub. Date Apr. 20, 1995A process for adjusting the composition of a liquid metal, such as steel, is provided wherein liquid metal is sucked up from a start receptacle into a reactor which is at a reduced pressure with respect to the start receptacle. First, the liquid metal is made to flow inside the reactor under conditions close to plug flow where it undergoes a metallurgical treatment. Next, after the liquid metal has been conveyed through the reactor it is completely discharged into a finish receptacle which is also at a reduced pressure with respect to the reactor. To insure thorough mixing, the reactor is divided into a plurality of cells, each of which has its own independent gas injector for agitating the liquid metal therein.

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