

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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Priority

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Abstract (en)
[origin: WO9510377A1] A method of adjusting the composition of a molten metal (2) wherein said molten method (2) is sucked from an initial container (4) into a reactor (5) in which the pressure is lower than that in the initial container (4). The metal (2) is allowed to flow in said reactor (5) in a manner approaching a ram flow, and is processed metallurgically. From the reactor (5), said metal (2) is discharged into a collector container (11), the pressure in the reactor (5) again being lower than that in the collector container. A continuous feed of metal (2) is provided to the initial container and a continuous discharge is effected from the collector container (11). In one embodiment, the molten metal (2) is steel, metallurgical processing involves decarburizing, the denitrifying or deoxidation by carbon in a vacuum, and the collector container (11) is a continuous casting distributor. A plant for adjusting the composition of molten metal, using said method, is also disclosed.

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