

Title (en)

DEVICE AND PROCESS FOR THE LOW-PRESSURE INJECTION OF PULVERULENT ADDITIVES INTO A STREAM OF MOLTEN METAL

Publication

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Application

EP 86420253 A 19861015

Priority

FR 8515609 A 19851015

Abstract (en)

[origin: US4723763A] The invention relates to a device for continuous injection under low pressure of a powdered additive into a stream of molten metal. It comprises, in succession from top to bottom: a top compartment 5 for the admission of the molten metal, a treatment chamber 7 connected to the top compartment by a calibrated inlet orifice 8 and in which there opens, on the one hand, a tube 9 connected to a device for injection of powdered additive under gas pressure and, on the other hand, at least one conduit 11 for evacuation of gases, fumes and possible sillage, at least one buffer compartment 6 cooperating with a means for adjusting the discharge rate of the treated metal, a means for collecting the treated metal, for example a mould or a ladle.

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