

Title (en)

METHOD, DEVICE AND FIREPROOF NOZZLE FOR THE INJECTION AND/OR CASTING OF LIQUID METALS.

Title (de)

VERFAHREN, VORRICHTUNG UND FEUERFESTER AUSGUSS ZUM ANGIESSEN UND/ODER VERGIESSEN VON FLÜSSIGEN METALLEN

Title (fr)

PROCEDE, DISPOSITIF ET BUSETTE DE COULEE REFRACTAIRE POUR INJECTER ET/OU COULER DES METAUX LIQUIDES

Publication

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Application

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Priority

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Abstract (en)

[origin: US6217825B1] In a process for splashing and/or teeming liquid metal, in particular steel, through a discharge in the wall or in the bottom of a metallurgical vessel, the discharge is electromagnetically coupled to the electromagnetic field of at least one fluid-cooled, in particular air-cooled, inductor. The inductor and the discharge are at least partially disposed in the wall or in the bottom of the metallurgical vessel. For teeming, the electromagnetic field of the inductor, or of the inductors, is coupled directly to the discharge and also the liquid metal. For this purpose, the frequency of the electromagnetic field or the electromagnetic fields, if appropriate, is adjusted correspondingly.

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