

Title (en)

METHOD OF REGULATING THE FLOW OF AN ELECTRICALLY CONDUCTIVE FLUID ESPECIALLY OF A MOLTEN BATH OF METAL IN CONTINUOUS CASTING AND AN APPARATUS FOR CARRYING OUT THE METHOD

Publication

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Application

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Priority

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Abstract (en)

[origin: ES8606681A1] In a method for electromagnetically regulating flow and in an apparatus for performing the method, a molten metal flowing in a pouring tube is inhibited in a central region of the pouring tube by an insert member installed in a conduit of the pouring tube and is diverted radially outward. An electromagnetic coil is arranged concentrically about the pouring tube for exerting constrictive electromagnetic forces upon the molten metal and thus regulating the flow of molten metal in a wide range.

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