

Title (en)

METHOD FOR CONTINUOUS SEPARATION OF IMPURITIES AND ALLOYINGS FROM LIQUID METAL BATHS AND DEVICE FOR IMPLEMENTING SAID METHOD

Title (de)

VERFAHREN ZUM KONTINUIERLICHEN ABTRENNEN VON VERUNREINIGUNGEN UND LEGIERUNGEN AUS FLÜSSIGEN METALLBÄDERN SOWIE VORRICHTUNG ZUR DURCHFÜHRUNG DIESES VERFAHRENS

Title (fr)

PROCEDE DE SEPARATION CONTINUE D'IMPURETES ET D'ALLIAGES DE BAINS METALLIQUES LIQUIDES ET DISPOSITIF PERMETTANT DE METTRE EN OEUVRE CE PROCEDE

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Application

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Abstract (en)

[origin: WO9960177A1] The invention relates to a method for continuous separation of impurities and alloyings from liquid metal baths, e.g. iron-aluminum alloys, zinc oxides or mixed crystals from zinc baths, wherein liquid metal is extracted from the area close to the surface of the bath, the extracted metal bath is centrifuged and the centrifugate containing the pure metal is fed back into the metal bath. A device for implementing the inventive method comprises a flow-off (26) that can be dipped beneath the surface of the bath (27) and into which a conveyor or a pump (28) can be immersed. A thermal insulated and/or heatable centrifuge (32) is attached to the conveyor or the pump (28) with the purpose of separating at least a light or at least a heavy free-flowing phase, whereby the discharge of the phase corresponding to the pure metal bath flows into the bath.

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