

Title (en)  
METHOD AND APPARATUS FOR CONTROLLING OPERATION AND POSITION OF A LANCE AND NOZZLE ASSEMBLY IN A MOLTEN METAL BATH IN A VESSEL

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR STEUERUNG DES BETRIEBS UND DER POSITION EINER LANZEN- UND DÜSEANORDNUNG IN EINEM METALLSCHMELZBAD IN EINEM GEFÄSS

Title (fr)  
MÉTHODE ET APPAREIL POUR LA COMMANDE DU FONCTIONNEMENT ET DE LA POSITION D'UN ENSEMBLE LANCE ET BUSE DANS UN BAIN DE MÉTAL FONDU DANS UN RÉSERVOIR

Publication  
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Application  
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Abstract (en)  
[origin: WO2020037327A1] The present invention preferably comprises a system and method for operating and/or positioning a lance and nozzle assembly relative to a molten metal bath in a vessel. Specifically, at least one temperature sensor is provided proximate a tip of the lance and nozzle assembly and at least one temperature sensor is provided on or in the vessel. A processing unit is configured to receive at least one signal from each of the temperature sensors, process the signals to determine the active position of the lance and nozzle assembly relative to the metal bath, and move the lance and nozzle assembly to a preferred position the corresponds to a stage of operation in the vessel.

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