

Title (en)

METHOD FOR THE GALVANIC COATING OF A CONTINUOUS CASTING MOULD

Title (de)

VERFAHREN ZUR GALVANISCHEN BESCHICHTUNG EINER STRANGGIESSKOKILLE

Title (fr)

PROCEDE D'ENDUCTION GALVANIQUE D'UNE COQUILLE POUR LA COULEE CONTINUE

Publication

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Application

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Abstract (en)

[origin: WO03099490A1] The invention relates to a method for the galvanic coating of a continuous casting mould (2), according to which the inner surfaces (4) of said continuous casting mould (2) that delimit a mould cavity (3) are coated with a coating material to obtain or re-establish target dimensions for the mould cavity. The method uses the continuous casting mould (2) as the cathode, an anode (7) that is located in the mould cavity (3) and an electrolyte (25) that contains the coating material. The electrolyte (25) that acts as the carrier for the coating material is controlled in its passage through the mould cavity (3) of the continuous casting mould (2). During the galvanic coating process, only the inner surfaces of the mould cavity come into contact with the electrolyte and no covering of the outer surfaces of the continuous casting mould is therefore required. The mechanical characteristics can to a great extent be uniformly maintained over the entire area. Said coating can be achieved more rapidly than with conventional methods.

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