

Title (en)

METHOD AND DEVICE FOR TREATING A MOLTEN SLAG

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BEHANDLUNG VON GESCHMOLZENER SCHLACKE

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR TRAITER UN LAITIER FONDU

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2013015690A1] A method for treating a calcium silicate-containing molten slag in a metallurgical process comprises: - producing a molten material from ore in a furnace, wherein a liquid molten slag is formed on the surface of the molten material; - separating the liquid molten slag from the molten material; - casting the separated liquid molten slag into a casting die; - cooling down of the molten slag in the casting die; wherein the method furthermore comprises: prior to casting, adding at least a first additive which comprises at least one alkali element-containing substance to the separated liquid molten slag in order to form a liquid slag alloy for reducing a solidification point of the liquid slag alloy with respect to a solidification point of the molten slag.

IPC 8 full level

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