

Title (en)
METHOD OF DESULFURIZATION OF MOLTEN IRON

Title (de)
VERFAHREN ZUR ENTSCHWEFELUNG VON GESCHMOLZENEM EISEN

Title (fr)
PROCÉDÉ DE DÉSULFURATION DE FER FONDU

Publication
EP 2434025 A1 20120328 (EN)

Application
EP 10794262 A 20100629

Priority

- JP 2010061366 W 20100629
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- JP 2010147015 A 20100629

Abstract (en)
In a method for desulfurizing hot metal using a mechanical stirring desulfurization apparatus equipped with an impeller, a CaO-based desulfurization agent having a size in diameter of 30 to 400 μm is blasted, together with a carrier gas, through a top lance onto the surface of hot metal that is being stirred with the impeller to desulfurize the hot metal. In this manner, the desulfurization agent can be added with a high addition yield, and the aggregation of the added desulfurization agent can be prevented, thereby allowing for stable and highly efficient desulfurization.

IPC 8 full level
C21C 1/02 (2006.01)

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