

Title (en)

CO AND CO₂ APPLICATION IN A STEEL AND ALLOY TECHNOLOGY

Title (de)

CO UND CO₂ ANWENDUNG BEI EINER STAHL- UND LEGIERUNGSTECHNOLOGIE

Title (fr)

UTILISATION DE CO ET DE CO₂ DANS LE CADRE D'UNE TECHNOLOGIE D'ACIER ET D'ALLIAGE

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Application

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Abstract (en)

[origin: WO2015074780A1] The invention relates to a method for metallurgical treatment of a carbonaceous metal melt during a manufacturing process, in particular during a metallurgical final treatment process or final treatment step, by means of a process gas incorporated, in particular blown, onto and/or into the metal melt, wherein a method for metallurgical treatment of a carbonaceous metal melt is improved. Said improvement is achieved in that carbon dioxide (CO₂) is blown onto and/or into the metal melt, as a process gas, and is at least partially converted to carbon monoxide (CO) as a product gas in the process of the endothermic Boudouard reaction with the carbon present in, in particular released in, the metal melt.

IPC 8 full level

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