

Title (en)

METAL OXIDE REDUCTION METHOD AND DEVICE THEREFOR

Title (de)

VERFAHREN ZUR REDUKTION VON METALLOXYDEN UND VORRICHTUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCEDE DE REDUCTION D'OXYDES METALLIQUES ET DISPOSITIF POUR LA MISE EN OEUVRE DU PROCEDE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0109394A1] The invention concerns a method for reducing metal oxides in a ring-shaped rotary hearth furnace, wherein a carbonaceous reducing agent and metal oxides are deposited on a strip over part of said rotary hearth and then transported in a substantially helical motion towards a discharge device. Said method is characterised in that part of the reducing agent is preheated and mixed with the preheated metal oxides before and/or during the deposit in the form a mixture on the rotary hearth, and a second part of the carbonaceous reducing agent and carbon monoxide are used for reducing the metal oxides.

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