

Title (en)
METHOD AND DEVICE FOR REDUCING IRON ORE-CONTAINING FEED MATERIALS OR FOR PRODUCING PIG IRON OR LIQUID STEEL PRE-PRODUCTS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR REDUKTION VON EISENERZHÄLTIGEN EINSATZSTOFFEN ODER ZUR HERSTELLUNG VON ROHEISEN ODER FLÜSSIGEN STAHLVORPRODUKTEN

Title (fr)
PROCÉDÉ ET DISPOSITIF PERMETTANT LA RÉDUCTION DE MATIÈRES DE DÉPART CONTENANT DU MINÉRAI DE FER OU LA PRODUCTION DE FONTE BRUTE OU DE SEMI-PRODUITS LIQUIDES EN ACIER

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Application
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Abstract (en)
[origin: WO2011085863A1] The invention relates to a method and device for reducing iron ore-containing feed materials or for producing pig iron or liquid steel pre-products in a melting unit 1, wherein the feed materials are at least partially reduced in at least one reducing unit R1 by means of a reduction gas, and optionally at least a part of the at least partially reduced feed materials is melted down in a melting unit 1 feeding coal or coke and oxygen-containing gas, the reduction gas being formed at the same time. The reduction gas or an externally produced reduction gas is fed to the reducing unit R1. In case the production of the pig iron or steel pre-products is interrupted, the at least one reducing unit R1 is emptied and the at least partially reduced feed materials are introduced into at least one vessel 5 and kept under a non-oxidizing protective gas atmosphere.

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C21B 13/00 (2006.01)

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Citation (search report)
See references of WO 2011085863A1

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