Title (en)

PROCESS AND DEVICE FOR PRODUCING PIG IRON OR LIQUID STEEL PRECURSORS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON ROHEISEN ODER FLÜSSIGEN STAHLVORPRODUKTEN

Title (fr)

PROCÉDÉ ET ÉQUIPEMENT DE FABRICATION DE FONTE BRUTE OU D'ÉBAUCHES LIQUIDES EN ACIER

Publication

EP 2281071 A1 20110209 (DE)

Application

EP 09757365 A 20090427

Priority

- EP 2009055047 W 20090427
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Abstract (en)

[origin: WO2009146982A1] A process is indicated for producing pig iron or liquid steel precursors in a melting unit (1), in particular a melt-down gasifier, wherein feedstocks containing iron ore and optionally additives are at least in part reduced by means of a reduction gas in at least one reduction unit (R1, R2, R3, R4). According to the invention a first fraction of the at least in part reduced feedstocks is melted in the melting unit (1) with feed of carbon sources and oxygen-containing gas with simultaneous formation of the reduction gas. The reduction gas is fed to the reduction unit (R1, R2, R3, R4) and, after passage through this, is taken off as top gas, wherein a second fraction of the at least in part reduced feedstocks is fed to a melt reduction unit (15) for reduction and melting.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2009146982A1

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