

Title (en)
DEVICE FOR PRODUCING SPONGE IRON

Title (de)
VORRICHTUNG ZUR ERZEUGUNG VON EISENSCHWAMM

Title (fr)
DISPOSITIF DE PRODUCTION DE FER SPONGIEUX

Publication
EP 1017859 A1 20000712 (DE)

Application
EP 98951258 A 19980826

Priority
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• DE 19739443 A 19970902

Abstract (en)
[origin: US6391249B1] A device for producing sponge iron from iron oxide lumps consists of a reduction shaft in which a hot dust laden reducing gas is delivered. The gas is produced in a gas generator by means of partial oxidation of solid carbon carriers and passes into the lower end of the reduction zone via lateral reduction gas inlets. The iron oxide lumps are fed to the upper area of the reduction shaft and are radially fed as sponge iron to the lower end of said reduction shaft via delivery organs. The delivery organs are arranged in such a manner that the sponge iron is conveyed only radially outwardly.

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IPC 8 full level
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