

Title (en)

DIRECT REDUCTION PROCESS FOR IRON OXIDE-CONTAINING MATERIALS

Title (de)

VERFAHREN ZUR DIREKTREDUKTION VON EISENOXIDHÄLTIGEM MATERIAL

Title (fr)

PROCEDE DE REDUCTION DIRECTE DE MATERIAUX CONTENANT DE L'OXYDE DE FER

Publication

EP 0766747 A1 19970409 (DE)

Application

EP 95919926 A 19950620

Priority

- AT 9500121 W 19950620
- AT 124894 A 19940623

Abstract (en)

[origin: WO9600302A1] A direct reduction process is disclosed for iron oxide-containing materials. Synthesis gas is mixed with top gas produced during direct reduction of the iron oxide-containing materials and is used as reduction gas for directly reducing and heating the iron oxide-containing materials up to reduction temperature. In order to set the H₂S content at a predetermined value by a relatively simple technique and with a relatively simple equipment, at least part of the sulphur contained in the iron oxide-containing materials as H₂S produced during heating or direct reduction is added to the reduction gas together with the top gas.

IPC 1-7

C21B 13/02; **C21B 13/00**

IPC 8 full level

C21B 13/00 (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 9600302A1

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