

Title (en)

METHOD OF AND ARRANGEMENT FOR PRODUCING MOLTEN PIG IRON OR STEEL PREMATERIAL

Publication

EP 0037809 B1 19850828 (DE)

Application

EP 81890058 A 19810402

Priority

AT 182880 A 19800403

Abstract (en)

[origin: ES8205266A1] In a method of, and arrangement for, producing molten pig iron or steel pre-material iron-oxide-containing raw-material particles are top-charged into a fluidized bed formed of carbon particles and an oxygen-containing carrier gas. When passing the fluidized bed, the raw-material particles are heated, reduced and smolten. In order to achieve a better utilization of energy with such a method, i.e. to considerably lower the total energy input, additional energy is supplied to the fluidized bed by plasma heating.

IPC 1-7

C21B 13/12

IPC 8 full level

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CPC (source: EP US)

C21B 13/002 (2013.01 - EP US); **C21B 13/125** (2013.01 - EP US)

Citation (examination)

- DE 2507141 A1 19750821 - SKF KUGELLAGERFABRIKEN GMBH
- DD 28822 A
- DE 1246780 C

Cited by

EP0319836A1; EP0087405A1; EP0189368A3; DE3603894A1; EP0236669A1; EP0182775A3; US9499872B2; WO2013133748A1

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