

Title (en)

DIRECT REDUCTION PROCESS USING SHAFT FURNACE

Publication

EP 0207779 A3 19881207 (EN)

Application

EP 86305084 A 19860701

Priority

JP 14564185 A 19850702

Abstract (en)

[origin: EP0207779A2] A direct reduction process using a vertical furnace is disclosed in which iron ore (including lump ore and pellets) charged in the furnace is previously treated with a cement coating applied to the surface of the ore. The cement may be Portland cement and is used in a quantity within a predetermined range.

IPC 1-7

C21B 13/00; **C21B 13/02**; **C22B 1/24**

IPC 8 full level

C21B 13/02 (2006.01); **C21B 5/00** (2006.01); **C21B 13/00** (2006.01); **C22B 1/14** (2006.01); **C23C 4/04** (2006.01)

CPC (source: EP)

C21B 5/008 (2013.01); **C21B 13/008** (2013.01); **C23C 4/04** (2013.01)

Citation (search report)

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- [A] JAPANESE PATENTS REPORT, Section M, vol. 75, no. 38, 17th October 1975, page 1, Derwent Publications Ltd, London, GB; & JP-A-50 028 050 (NIPPON KOKAN K.K.) 12-09-1975

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