Title (en)
PROCESS FOR PRODUCING SINTERED ORE

Title (de)
VERFAHREN ZUR HERSTELLUNG VON GESINTERTEM ERZ

Title (fr)
PROCÉDÉ DE FABRICATION D UN MINERAI FRITTÉ

Publication
EP 2365101 A1 20110914 (EN)

Application
EP 09830482 A 20091130

Priority
• JP 2009070440 W 20091130
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Abstract (en)
Proposed is a method for producing sintered ore by feeding a gaseous fuel on the downstream side of an ignition furnace of a sintering machine, in which the amount of carbonaceous material contained in the sintering raw material is optimized in relation to the gaseous fuel, whereby high-strength, high-quality sintered ore can be stably produced, and the CO $_2$ generation amount can be reduced. The method for producing sintered ore includes a charging step of charging a sintering raw material including fine ore and a carbonaceous material onto a pallet; an ignition step of igniting the carbonaceous material in the surface of the sintering bed; a gaseous fuel feeding step of feeding a gaseous fuel above the sintering bed; and a sintering step of sucking the diluted gaseous fuel and air with a wind box disposed under the pallet into the sintering bed, combusting the carbonaceous material in the sintering bed and combusting the diluted gaseous fuel in the sintering bed in which the carbonaceous material has been combusted, to thereby perform sintering. The amount of carbonaceous material in the sintering raw material is reduced compared with the case where the gaseous fuel is not fed, and preferably, reduced in the amount equivalent to or more than the combustion heat of the gaseous fuel to be fed in the gaseous fuel feeding step.

IPC 8 full level
C22B 1/16 (2006.01); **C22B 1/20** (2006.01)

CPC (source: EP KR)
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Cited by
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