

Title (en)  
PROCESS FOR PRODUCING SINTERED ORE AND SINTERING MACHINE

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON GESINTERTEM ERZ UND SINTERMASCHINE

Title (fr)  
PROCÉDÉ DE FABRICATION D'UN MINÉRAI FRITTÉ ET MACHINE À FRITTER

Publication  
**EP 2322675 A1 20110518 (EN)**

Application  
**EP 08876783 A 20081202**

Priority  
• JP 2008072223 W 20081202  
• JP 2008212760 A 20080821

Abstract (en)  
A method for producing sintered ore includes a charging step of charging a sintering raw material containing ore fines and a carbonaceous material onto a circulating pallet to form a sintering bed of the sintering raw material on the pallet; an ignition step of igniting the carbonaceous material on a surface of the sintering bed using an ignition furnace; a diluted gaseous fuel producing step of producing a diluted gaseous fuel in a concentration of a lower flammable limit concentration or less by supplying a gaseous fuel to air above the sintering bed so as to dilute the gaseous fuel; and a combustion step of combusting the diluted gaseous fuel in the sintering bed by sucking the diluted gaseous fuel and air into the sintering bed by suction through a wind box disposed below the pallet while combusting the carbonaceous material in the sintering bed with the air sucked into the sintering bed, thus forming a sinter cake.

IPC 8 full level  
**C22B 1/16** (2006.01); **C22B 1/20** (2006.01); **F27B 21/08** (2006.01)

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Cited by  
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Designated extension state (EPC)  
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