

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

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

Title (fr)
PROCÉDÉ DE FABRICATION D UN MINERAI FRITTÉ ET APPAREIL DE FRITTAGE

Publication
EP 2371975 A4 20161019 (EN)

Application
EP 09830494 A 20091203

Priority

- JP 2009070636 W 20091203
- JP 2008309177 A 20081203
- JP 2008309179 A 20081203

Abstract (en)
[origin: EP2371975A1] There are provided a method for producing a sintered ore and a sintering machine, the method being capable of safely producing a high-strength and a high-quality sintered ore with high yield using a downward suction type sintering machine. In a method for producing a sintered ore which includes charging a sintering raw material containing a fine ore and a carbonaceous material on a circular traveling pallet 8 to form a sintering bed 9, igniting the carbonaceous material in the formed sintering bed by an ignition furnace, and sucking air through a wind box provided below the pallet to produce the sintered ore, after the sintering bed 9 is ignited by the ignition furnace, a liquid fuel is atomized to have a particle size of 100 μ m or less, is supplied at an upper portion of the sintering bed 9, and while being diluted to not more than a lower limit of combustion at ordinal temperature, is supplied into the sintering bed 9 from above the sintering bed 9. A sintering machine includes a liquid fuel spray device which sprays a liquid fuel on a sintering bed at a downstream side of an ignition furnace.

IPC 8 full level
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CPC (source: EP KR)
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Citation (search report)

- [X] JP S5651536 A 19810509 - SUMITOMO METAL IND
- [I] DATABASE WPI Week 197635, 1976 Derwent World Patents Index; AN 1976-65699X, XP002761567
- See references of WO 2010064731A1

Cited by
EP2924132A4; EP2862949A4; EP3088825A4; EP2876175A4; CN104471087A; EP2876174A4; US9574251B2; US9821381B2

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