

Title (en)
METHOD OF MANUFACTURING SINTERED ORE AND SINTERING MACHINE THEREFOR

Title (de)
VERFAHREN UND VORRICHTUNG ZUM SINTERN VON MINERALIEN

Title (fr)
PROCEDE POUR FABRIQUER DES MINERAIS FRITTES ET MACHINE A FRITTER LES MINERAIS

Publication
EP 0861908 A1 19980902 (EN)

Application
EP 97935796 A 19970815

Priority

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- JP 18026597 A 19970623

Abstract (en)
The present invention provides a method of producing sintered ore and a sintering machine to which the method is applied, the product yield and the quality of which are high, and the method of producing sintered ore comprises the steps of: charging blended raw material containing fine ore, flux and fuel onto pallets of a sintering machine so as to form a raw mixture bed on the pallets; and igniting a surface layer of the raw mixture bed so as to conduct a sintering reaction on the raw mixture bed from an upper portion to a lower portion, wherein when the upper layer of the raw material has been sufficiently sintered, a mass flow rate of gas containing oxygen supplied onto the raw mixture bed layer is changed to a value 1.01 to 2.6 times as high as that of gas containing oxygen supplied in the case of sintering the upper layer of the raw material. It is preferable that when an end of the combustion and melting zone has reached a position lower than the position located at 20% of the height of the raw mixture bed from the surface layer, a mass flow rate of gas containing oxygen supplied onto the raw material layer is changed to a value described above. <IMAGE>

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WO 9807891 A1 19980226; AU 3865397 A 19980306; AU 697445 B2 19981008; BR 9706625 A 19991123; CN 1062913 C 20010307; CN 1198779 A 19981111; DE 69716231 D1 20021114; DE 69716231 T2 20030814; EP 0861908 A1 19980902; EP 0861908 A4 19981007; EP 0861908 B1 20021009; JP 3930570 B2 20070613; KR 100257441 B1 20000515

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