

Title (en)

OXYGEN-GAS FUEL SUPPLY DEVICE FOR SINTERING MACHINE

Title (de)

SAUERSTOFFBRENNSTOFFZUFUHRVORRICHTUNG FÜR EINE SINTERMASCHINE

Title (fr)

DISPOSITIF D'ALIMENTATION EN COMBUSTIBLE DE GAZ D'OXYGÈNE POUR APPAREIL DE FRITTAGE

Publication

EP 2924132 A4 20160413 (EN)

Application

EP 12888770 A 20121120

Priority

JP 2012080037 W 20121120

Abstract (en)

[origin: EP2924132A1] An oxygen- gaseous fuel supply apparatus for a sintering machine by blowing oxygen into air inside a hood disposed above a raw material bed at a downstream side of an ignition furnace to enrich oxygen, and further sucking air supplied with a gaseous fuel diluted to not more than a lower flammable limit by wind boxes arranged below a pallet and introducing into the bed, and combusting the gaseous fuel and carbonaceous material in the bed to produce a sintered ore, wherein baffle plates each made of a chevron plate material are arranged in plural rows at intervals in the horizontal direction and in plural steps in the vertical direction so as to arrange the intervals in a zigzag form in a vertical mid position of the hood, and gaseous fuel supply pipes for supplying the gaseous fuel into air are arranged below the baffle plates, and oxygen supply pipes for blowing oxygen into air are arranged above the baffle plates.

IPC 8 full level

C22B 1/20 (2006.01); **F27B 21/08** (2006.01)

CPC (source: EP)

C22B 1/20 (2013.01); **F27B 21/06** (2013.01); **F27D 7/02** (2013.01)

Citation (search report)

- [XY] WO 2011118822 A1 20110929 - JFE STEEL CORP [JP], et al
- [Y] US 2009007967 A1 20090108 - FANO EMMANUEL [FR], et al
- [Y] JP 2005240840 A 20050908 - IWATANI IND GASES CORP
- [A] EP 2371975 A1 20111005 - JFE STEEL CORP [JP]
- [A] EP 2365101 A1 20110914 - JFE STEEL CORP [JP]
- [A] JP 2010132946 A 20100617 - JFE STEEL CORP
- [A] JP 2011052860 A 20110317 - JFE STEEL CORP
- See references of WO 2014080450A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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