

Title (en)

SIDE-SUBMERGED COMBUSTION SMELTING APPARATUS FOR SPRAYING OXYGEN-ENRICHED AIR AND PULVERIZED COAL

Title (de)

SEITENTAUCHVERBRENNUNGSSCHMELZVORRICHTUNG ZUM SPRÜHEN VON SAUERSTOFFANGEREICHERTER LUFT UND KOHLENSTAUB

Title (fr)

APPAREIL DE FUSION PAR COMBUSTION À IMMERSION LATÉRALE POUR LA PULVÉRISATION D'AIR ENRICHI EN OXYGÈNE ET DE CHARBON PULVÉRISÉ

Publication

**EP 3460371 B1 20240306 (EN)**

Application

**EP 17798549 A 20170329**

Priority

- CN 201610321896 A 20160516
- CN 201620439306 U 20160516
- CN 2017078653 W 20170329

Abstract (en)

[origin: EP3460371A1] A side-submerged combustion smelting apparatus (1) for spraying oxygen-enriched air and pulverized coal includes: a smelting furnace (100); a pulverized coal delivery pipe (200) for delivering the pulverized coal; an air delivery pipe (300) for delivering the oxygen-enriched air; a plurality of coal injection assemblies (400) arranged at intervals on two opposite side walls of the smelting furnace (100), each coal injection assembly (400) including a pulverized coal lance (410) and an air lance (420) that are adjacent to each other and arranged as a pair, and each coal injection assembly (400) at least partially extending into the smelting furnace (100).

IPC 8 full level

**C22B 5/10** (2006.01)

CPC (source: EP RU)

**C22B 5/10** (2013.01 - EP); **F27B 1/16** (2013.01 - RU); **F27D 3/16** (2013.01 - RU)

Citation (examination)

CN 105483393 A 20160413 - CHINA ENFI ENG CORP

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 3460371 A1 20190327**; **EP 3460371 A4 20191023**; **EP 3460371 B1 20240306**; **EP 3460371 C0 20240306**; AU 2017266791 A1 20181129; AU 2017266791 B2 20200723; RU 2710084 C1 20191224; WO 2017197985 A1 20171123

DOCDB simple family (application)

**EP 17798549 A 20170329**; AU 2017266791 A 20170329; CN 2017078653 W 20170329; RU 2018143336 A 20170329