

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

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Priority

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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)

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