

Title (en)

Method for renovating a combined blast furnace and air/gas separation unit system

Title (de)

Verfahren zur Renovierung eines kombinierten Systems aus einem Hochofen und einer Luft/Gas-Trenneinheit

Title (fr)

Procede de renovation d'une installation combinee d'un haut fourneau et d'une unite de separation de gaz de l'air

Publication

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Application

EP 05728076 A 20050211

Priority

- FR 2005050089 W 20050211
- FR 0450371 A 20040227

Abstract (en)

[origin: FR2866900A1] Process for renovation of a vertical furnace supplied with an oxidising fluid partially supplied by a gas separation from air(ASU) ; more than 50% of the flow from the blower supplying the furnace is injected in a cryogenic separation unit to produce oxygen of purity greater than 90%.The air flow from the blower and/or air pressure are controlled by a regulator which measures the flow rate or pressure of the air at the entry and/or exit of the air purifier upstream of the ASU.The supply fluid to the furnace is pure oxygen or oxygen diluted with air from the cryogenic unit.

IPC 8 full level

C21B 5/00 (2006.01); **F25J 3/04** (2006.01)

CPC (source: EP US)

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Citation (search report)

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FR 2866900 A1 20050902; **FR 2866900 B1 20060526**; AU 2005218215 A1 20050915; AU 2005218215 B2 20100401; CA 2557287 A1 20050915; CA 2557287 C 20120904; EP 1721016 A2 20061115; EP 1721016 B1 20121226; PL 1721016 T3 20130430; US 2007170624 A1 20070726; US 7645319 B2 20100112; WO 2005085727 A2 20050915; WO 2005085727 A3 20060112

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