

Title (en)
METHOD FOR OPERATING BLAST FURNACE

Title (de)
BETRIEBSVERFAHREN FÜR EINEN VERBRENNUNGSOFEN

Title (fr)
PROCÉDÉ D'EXPLOITATION DE HAUT FOURNEAU

Publication
EP 2495339 A4 20170322 (EN)

Application
EP 10826928 A 20101028

Priority

- JP 2009248477 A 20091029
- JP 2009294132 A 20091225
- JP 2010241576 A 20101028
- JP 2010069645 W 20101028

Abstract (en)
[origin: EP2495339A1] The amount of a carbon iron composite used is appropriately adjusted when the carbon iron composite is used in a blast furnace, whereby a stable operation is provided. Ore and coke including the carbon iron composite and conventional coke are charged into the blast furnace. The percentage of the carbon iron composite used is 2% to 50% by mass of the coke. The percentage of the carbon iron composite used is preferably 25% by mass or more. The carbon iron composite preferably has a particle size of 15 mm to 40 mm. The carbon iron composite preferably has an iron content of 10% to 40% by mass.

IPC 8 full level
C21B 5/00 (2006.01)

CPC (source: EP KR)
C21B 5/00 (2013.01 - KR); **C21B 5/007** (2013.01 - EP); **C21B 5/008** (2013.01 - EP)

Citation (search report)

- [X1] JP 2005097737 A 20050414 - JFE STEEL KK
- [X1] JP S63210207 A 19880831 - NIPPON KOKAN KK
- See references of WO 2011052798A1

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 2495339 A1 20120905; EP 2495339 A4 20170322; EP 2495339 B1 20180829; BR 112012010036 A2 20200818;
BR 112012010036 B1 20210525; CN 102597275 A 20120718; CN 102597275 B 20140813; JP 2011149090 A 20110804;
JP 5707858 B2 20150430; KR 101337162 B1 20131205; KR 20120056858 A 20120604; WO 2011052798 A1 20110505

DOCDB simple family (application)
EP 10826928 A 20101028; BR 112012010036 A 20101028; CN 201080048840 A 20101028; JP 2010069645 W 20101028;
JP 2010241576 A 20101028; KR 20127008143 A 20101028