

Title (en)
BLAST FURNACE OPERATION METHOD USING FERROCOKE

Title (de)
BETRIEBSVERFAHREN FÜR EINEN VERBRENNUNGSOFEN MIT FERROCOKE

Title (fr)
PROCÉDÉ DE CONDUITE DE HAUT FOURNEAU UTILISANT DU FERROCOKE

Publication
EP 2840152 B1 20181017 (EN)

Application
EP 12878418 A 20120606

Priority
JP 2012065056 W 20120606

Abstract (en)
[origin: EP2840152A1] In a method for operating a blast furnace by forming a coke layer 1 and an ore layer in a blast furnace, an ore layer is formed as ore layer 2 and 3 of a plurality of batches including two or more batches, the carbon iron composite is mixed into the ore layer of at least one batch among the plurality of batches but not into at least another batch. In operation during which an ore layer thickness ratio, i.e., ore layer thickness/(ore layer thickness + coke layer thickness), is varied in a furnace radius direction, the furnace radius direction position preferably varies among ore layers of the plurality of batches and the carbon iron composite is preferably mixed into an ore layer 2 of a batch at a furnace radius direction position where the ore layer thickness ratio is relatively large.

IPC 8 full level
C21B 5/00 (2006.01); **C22B 1/245** (2006.01)

CPC (source: EP KR)
C21B 5/00 (2013.01 - KR); **C21B 5/006** (2013.01 - KR); **C21B 5/008** (2013.01 - EP KR); **C22B 1/245** (2013.01 - KR); **C21B 5/006** (2013.01 - EP)

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 2840152 A1 20150225; EP 2840152 A4 20151118; EP 2840152 B1 20181017; AU 2012382225 A1 20141120; AU 2012382225 B2 20160128; BR 112014028858 A2 20170627; BR 112014028858 B1 20181113; CN 104334748 A 20150204; CN 104334748 B 20161026; KR 101611121 B1 20160408; KR 20150006472 A 20150116; WO 2013183170 A1 20131212

DOCDB simple family (application)
EP 12878418 A 20120606; AU 2012382225 A 20120606; BR 112014028858 A 20120606; CN 201280073677 A 20120606; JP 2012065056 W 20120606; KR 20147034246 A 20120606