

Title (en)

PROCESS FOR PRODUCING FERRO COKE FOR METALLURGY

Title (de)

VERFAHREN ZUR HERSTELLUNG VON EISENKOKS FÜR DIE METALLURGIE

Title (fr)

PROCÉDÉ DE PRODUCTION DE FERROCOKE POUR LA MÉTALLURGIE

Publication

EP 2543716 B1 20190403 (EN)

Application

EP 11750576 A 20110225

Priority

- JP 2010046061 A 20100303
- JP 2011054367 W 20110225

Abstract (en)

[origin: EP2543716A1] An object of the present invention is to provide a method of manufacturing ferrocoke by which CO₂ reactivity of coke in ferrocoke in a blast furnace is increased thereby decreasing a thermal reserve zone temperature and decreasing a reducing agent ratio when a briquette including a carbonaceous material and iron ore is carbonized to manufacture ferrocoke. The present invention is a metallurgical ferrocoke manufacturing method of manufacturing ferrocoke by carbonizing a mixture of a carbonaceous material and iron ore and is characterized in that a maximum temperature of ferrocoke during the carbonization is in a range of 800°C or higher and 900°C or lower.

IPC 8 full level

C10B 53/08 (2006.01); **C10B 57/04** (2006.01); **C10B 57/06** (2006.01); **C21B 5/00** (2006.01); **C22B 1/245** (2006.01)

CPC (source: EP KR)

C10B 53/08 (2013.01 - EP KR); **C10B 57/04** (2013.01 - KR); **C10B 57/06** (2013.01 - EP); **C21B 5/00** (2013.01 - KR); **C21B 5/007** (2013.01 - EP); **C22B 1/245** (2013.01 - EP KR)

Cited by

US11111441B2

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 2543716 A1 20130109; **EP 2543716 A4 20160713**; **EP 2543716 B1 20190403**; CN 102782095 A 20121114; CN 102782095 B 20150701; JP 2011202159 A 20111013; JP 5790028 B2 20151007; KR 20120123482 A 20121108; WO 2011108466 A1 20110909

DOCDB simple family (application)

EP 11750576 A 20110225; CN 201180011516 A 20110225; JP 2011043509 A 20110301; JP 2011054367 W 20110225; KR 20127022341 A 20110225