

Title (en)

COAL BRIQUETTE, METHOD FOR PRODUCING SAME, AND METHOD FOR PRODUCING MOLTEN IRON

Title (de)

KOHLEBRIKETT, VERFAHREN ZUR HERSTELLUNG DAVON UND VERFAHREN ZUR HERSTELLUNG VON EISENSCHMELZE

Title (fr)

BRIQUETTE DE CHARBON, PROCÉDÉ POUR LA PRODUIRE, ET PROCÉDÉ DE PRODUCTION DE FER FONDU

Publication

EP 3348627 A1 20180718 (EN)

Application

EP 16844545 A 20160401

Priority

- KR 20150127177 A 20150908
- KR 2016003411 W 20160401

Abstract (en)

Provided are a coal briquette and a method for producing the same, the coal briquette is inserted into a dome part of a melting and gasification furnace in a molten iron manufacturing apparatus and being rapidly heated, wherein the molten iron manufacturing apparatus comprises a melting and gasification furnace into which reduced iron is inserted, and a reducing furnace connected to the melting and gasification furnace and providing reduced iron. The method for producing a coal briquette comprises the steps of: providing pulverized coal; producing a binder mixture by mixing starch and an acidic aqueous solution; producing a coal blend by mixing the pulverized coal and the binder mixture; and producing a coal briquette by molding the coal blend.

IPC 8 full level

C10L 5/10 (2006.01); **C10L 5/14** (2006.01); **C10L 5/22** (2006.01); **C10L 5/36** (2006.01)

CPC (source: EP)

C10L 5/105 (2013.01); **C10L 5/22** (2013.01); **C10L 5/361** (2013.01); **C10L 2290/02** (2013.01); **C10L 2290/04** (2013.01); **C10L 2290/08** (2013.01); **C10L 2290/146** (2013.01); **C10L 2290/24** (2013.01); **C10L 2290/28** (2013.01); **C10L 2290/30** (2013.01); **C10L 2290/32** (2013.01)

Cited by

WO2021094784A1; WO2021020958A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3348627 A1 20180718; **EP 3348627 A4 20180718**; **EP 3348627 B1 20210224**; BR 112018004495 A2 20180925; CN 108026461 A 20180511; KR 101703070 B1 20170206; WO 2017043725 A1 20170316

DOCDB simple family (application)

EP 16844545 A 20160401; BR 112018004495 A 20160401; CN 201680049376 A 20160401; KR 20150127177 A 20150908; KR 2016003411 W 20160401