

Title (en)

ELECTRIC ARC FURNACE DUST AS COATING MATERIAL FOR IRON ORE PELLETS FOR USE IN DIRECT REDUCTION PROCESSES

Title (de)

ELEKTROLICHTBOGENOFENSTAUB ALS BESCHICHTUNGSMATERIAL FÜR EISENERZPELLETS ZUR VERWENDUNG IN DIREKTREDUKTIONSVERFAHREN

Title (fr)

POUSSIÈRE DE FOUR ÉLECTRIQUE À ARC COMME MATÉRIAU D'ENROBAGE DE BOULETTES DE MINÉRAI DE FER POUR UNE UTILISATION DANS DES PROCESSUS DE RÉDUCTION DIRECTE

Publication

**EP 3365470 A1 20180829 (EN)**

Application

**EP 16794043 A 20160927**

Priority

- US 201562245759 P 20151023
- US 201562245760 P 20151023
- IB 2016055784 W 20160927

Abstract (en)

[origin: WO2017068445A1] A method for determining adhesion characteristics of coatings disposed on the surfaces of iron ore pellets for use direct reduction processes is presented. A coating index is determined by measuring the percent reduction in the thickness of a coating layer after agitation forcibly contacting the coated iron ore pellets with each other. Coated iron ore pellets having optimized adhesion characteristics and reduced agglomeration tendencies for use in direct reduction processes are also provided.

IPC 8 full level

**C22B 1/24** (2006.01); **C22B 7/02** (2006.01)

CPC (source: EP US)

**C22B 1/2406** (2013.01 - EP US); **C21B 11/10** (2013.01 - US)

Citation (search report)

See references of WO 2017068446A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2017068445 A1 20170427**; CN 108474060 A 20180831; EP 3365470 A1 20180829; US 2018320246 A1 20181108; WO 2017068446 A1 20170427

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**IB 2016055783 W 20160927**; CN 201680075796 A 20160927; EP 16794043 A 20160927; IB 2016055784 W 20160927; US 201615768422 A 20160927