

Title (en)

METHOD FOR THE CONTINUOUS MAGNETIC ORE SEPARATION AND/OR DRESSING AND RELATED SYSTEM

Title (de)

VERFAHREN ZUR KONTINUIERLICHEN MAGNETISCHEN ERZTRENNUNG UND/ODER -AUFBEREITUNG SOWIE ZUGEHÖRIGE ANLAGE

Title (fr)

PROCÉDÉ CONTINU DE SÉPARATION ET/OU DE PRÉPARATION MAGNÉTIQUE DE MINÉRAI ET INSTALLATION ASSOCIÉE

Publication

EP 2470306 B1 20131002 (DE)

Application

EP 10720630 A 20100531

Priority

- DE 102009038666 A 20090824
- EP 2010057542 W 20100531

Abstract (en)

[origin: WO2011023426A1] Continuous methods for magnetic ore separation that operate mechanically using drum, band or roll separators are known from the prior art. According to the present invention, a magnetically operating method is developed such that it can be operated in a continuous mode of operation. The materials used are recycled, particularly the magnetite as hydrophobic magnetizable material and the diesel oil as de-agglomeration auxiliary material. The devices and units of the prior art can be used in the related system, and the system is completed by installing a magnetic separator (40) within the meaning of the method according to the invention.

IPC 8 full level

B03C 1/015 (2006.01)

CPC (source: EP US)

B03C 1/01 (2013.01 - EP US); **B03C 1/015** (2013.01 - EP US); **B03C 2201/18** (2013.01 - EP US)

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2011023426 A1 20110303; AR 077893 A1 20110928; AU 2010288822 A1 20120301; AU 2010288822 B2 20130606; CA 2771797 A1 20110303; CA 2771797 C 20140819; CL 2012000242 A1 20120907; CN 102596415 A 20120718; CN 102596415 B 20141105; DE 102009038666 A1 20110310; EP 2470306 A1 20120704; EP 2470306 B1 20131002; ES 2433645 T3 20131212; PE 20121367 A1 20121020; PL 2470306 T3 20140228; RU 2012111223 A 20131010; RU 2539474 C2 20150120; US 2012189512 A1 20120726; US 8584862 B2 20131119; ZA 201200507 B 20120926

DOCDB simple family (application)

EP 2010057542 W 20100531; AR P100103048 A 20100820; AU 2010288822 A 20100531; CA 2771797 A 20100531; CL 2012000242 A 20120130; CN 201080037729 A 20100531; DE 102009038666 A 20090824; EP 10720630 A 20100531; ES 10720630 T 20100531; PE 2012000252 A 20100531; PL 10720630 T 20100531; RU 2012111223 A 20100531; US 201013392504 A 20100531; ZA 201200507 A 20120120