Title (en)

APPARATUS FOR SEPARATING PLATE-SHAPED HBI PARTICLES

Title (de)

VORRICHTUNG ZUM TRENNEN VON PLATTENFÖRMIGEN HBI-PARTIKELN

Title (fr)

APPAREIL DE SÉPARATION DE PARTICULES DE HBI EN FORME DE PLAQUE

Publication

EP 2930452 A4 20160803 (EN)

Application

EP 13859941 A 20130807

Priority

- KR 20120142154 A 20121207
- KR 20130083097 A 20130715
- KR 2013007108 W 20130807

Abstract (en)

[origin: EP2930452A1] In order to flexibly cope with a change in work load according to productivity and prevent clogging between rotors by an HBI when the productivity is increased, the present invention provides an apparatus for separating particles of a plate-shaped HBI, including: a motor; a driving rotor that is coupled to and rotated with a driving shaft of the motor and has first projections around the outer surface thereof; an idle rotor that is disposed in parallel with the driving rotor, freely rotates, and has second projections around the outer side; and a control unit that adjusts a gap between the driving rotor and the idle rotor by moving the idle rotor with respect to the driving rotor, in which the gap between the driving rotor and the idle rotor is adjusted in accordance with the amount of a plate-shaped HBI sent between the idle rotor and the driving rotor.

IPC 8 full level

F27B 21/08 (2006.01); **C21B 13/00** (2006.01); **C22B 1/14** (2006.01); B30B 11/16 (2006.01); C22B 1/24 (2006.01)

CPC (source: EP KR)

B30B 11/16 (2013.01 - EP); **C21B 13/0046** (2013.01 - EP); **C22B 1/14** (2013.01 - KR); **F27B 19/00** (2013.01 - KR)

Citation (search report)

- [I] GB 1504088 A 19780315 - MIDREX CORP [US]
- [I] EP 1690658 A2 20060816 - S & B IND MINERALS GMBH [DE]
- [I] JP S5814938 A 19830128 - HITACHI LTD
- See references of WO 2014088184A1

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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 2930452 A1 20151014; **EP 2930452 A4 20160803**; **EP 2930452 B1 20180228**; CN 104981673 A 20151014; CN 104981673 B 20170308; KR 101429643 B1 20140813; KR 20140074169 A 20140617; RU 2015123796 A 20170110; RU 2614498 C2 20170328; WO 2014088184 A1 20140612

DOCDB simple family (application)

EP 13859941 A 20130807; CN 201380063023 A 20130807; KR 2013007108 W 20130807; KR 20130083097 A 20130715; RU 2015123796 A 20130807