

Title (en)

AIR SUPPLY DEVICE AND HIGH TEMPERATURE PARTICULATE COOLING FACILITY EQUIPPED WITH SAME AIR SUPPLY DEVICE

Title (de)

LUFTZUFUHRVORRICHTUNG UND HOCHTEMPERATURKÜHLEINHEIT FÜR PARTIKEL MIT DIESER LUFTZUFUHRVORRICHTUNG

Title (fr)

DISPOSITIF D ADMISSION D AIR ET MOYENS DE REFOIDISSEMENT DE PARTICULES À HAUTE TEMPÉRATURE ÉQUIPÉS DE CE DISPOSITIF D ADMISSION D AIR

Publication

EP 2295910 A4 20141022 (EN)

Application

EP 09762561 A 20090609

Priority

- JP 2009060816 W 20090609
- JP 2008150005 A 20080609

Abstract (en)

[origin: EP2295910A1] The present invention is to provide an air supply apparatus used for cooling hot grain/lump material such as sintered ore, a pellet and hot clinker, the air supply apparatus, and a cooling facility for hot grain/lump material provided with the air supply apparatus, which are superior in efficiency of use and excellent in maintenance performance. The upper part of the upper space of water seal chamber 24i and 24i on a movable air path 25 side is communicated with the upper part of the movable air path 25, which forms in a circle, and moreover, in each connection at each connection of the air duct 26, an air dumper 81 is provided which closes at a feed and discharge zone B and opens at a cooling zone C.

IPC 8 full level

F27B 21/00 (2006.01); **C22B 1/26** (2006.01); **F27B 21/02** (2006.01); **F27D 15/02** (2006.01)

CPC (source: EP US)

C22B 1/26 (2013.01 - EP US); **F27B 21/02** (2013.01 - EP US); **F27D 15/02** (2013.01 - EP US); **Y10T 137/8593** (2015.04 - EP US)

Citation (search report)

- [XI] JP H0461296 U 19920526
- See references of WO 2009151131A1

Cited by

CN106403619A; CN112197599A

Designated contracting state (EPC)

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 TR

DOCDB simple family (publication)

EP 2295910 A1 20110316; **EP 2295910 A4 20141022**; **EP 2295910 B1 20160921**; BR PI0915016 A2 20151027; BR PI0915016 B1 20180130; CN 102057241 A 20110511; CN 102057241 B 20140402; JP 2009293890 A 20091217; JP 5319964 B2 20131016; KR 101222612 B1 20130116; KR 20110004479 A 20110113; RU 2454621 C1 20120627; TW 201009276 A 20100301; TW I390170 B 20130321; US 2011168352 A1 20110714; WO 2009151131 A1 20091217

DOCDB simple family (application)

EP 09762561 A 20090609; BR PI0915016 A 20090609; CN 200980121634 A 20090609; JP 2008150005 A 20080609; JP 2009060816 W 20090609; KR 20107027512 A 20090609; RU 2010154161 A 20090609; TW 98119173 A 20090609; US 99689809 A 20090609