

Title (en)
CHEEK PLATE OF REDUCED IRON AGGLOMERATION APPARATUS

Title (de)
WANGENPLATTE MIT REDUZIERTER EISENAGGLOMERATIONSVORRICHTUNG

Title (fr)
JOUE D'APPAREIL D'AGGLOMERATION DE FER REDUIT

Publication
EP 3358024 A4 20181010 (EN)

Application
EP 16851970 A 20160607

Priority
• KR 20150139327 A 20151002
• KR 2016005995 W 20160607

Abstract (en)
[origin: EP3358024A1] Provided is a cheek plate for an apparatus for agglomerating reduced iron, the cheek plate including: a cover portion which has a fan shape and is installed at each of both sides of a pair of rollers for processing the reduced iron to prevent the reduced iron from leaking to a lateral space formed between the rollers; roller close contact portions which protrude from inner rim portions of the cover portion and are in close contact with outer portions of the rollers to maintain airtightness of the space between the rollers; and gas discharge portions which extend along plate surfaces of the roller close contact portions, and discharge gas produced when processing the reduced iron, thereby effectively discharging gas produced when processing the reduced iron while increasing close contact force between the cheek plates and both sides of the rollers.

IPC 8 full level
C22B 1/24 (2006.01)

CPC (source: EP)
B22F 3/03 (2013.01); **C22B 1/24** (2013.01)

Citation (search report)
• [XA] US 5102058 A 19920407 - MERICLE CRAIG [US], et al
• [X] EP 0310980 A1 19890412 - ALEXANDERWERK AG [DE]
• [A] WO 2006004350 A1 20060112 - POSCO [KR], et al
• See references of WO 2017057822A1

Cited by
DE202021103408U1; DE102021103573A1; WO2022174957A1; DE102021103573B4; DE102020104526A1; WO2021164919A1;
DE102020104526B4

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 3358024 A1 20180808; EP 3358024 A4 20181010; EP 3358024 B1 20200506; BR 112018006594 A2 20181023; CN 108138256 A 20180608;
CN 108138256 B 20191101; KR 101649546 B1 20160819; WO 2017057822 A1 20170406

DOCDB simple family (application)
EP 16851970 A 20160607; BR 112018006594 A 20160607; CN 201680057529 A 20160607; KR 20150139327 A 20151002;
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