

Title (en)
SINTERING APPARATUS AND SINTERING METHOD

Title (de)
SINTERVORRICHTUNG UND SINTERVERFAHREN

Title (fr)
APPAREIL DE FRITTAGE ET PROCÉDÉ DE FRITTAGE

Publication
EP 3431909 B1 20200603 (EN)

Application
EP 16894692 A 20161124

Priority
• KR 20160032765 A 20160318
• KR 2016013625 W 20161124

Abstract (en)
[origin: EP3431909A1] The present disclosure includes: a vehicle disposed movably along a traveling path and having a to-be-sintered material loaded therein; an ignition-furnace disposed above the traveling path for spraying a flame to an upper portion of the to-be-sintered material; a plurality of wind-boxes 140 disposed below the vehicle along the traveling path to provide a suction power to the vehicle; a hood disposed above the vehicle and extending along the traveling path; a circulation unit connected to some of a plurality of the wind-boxes and supplying exhaust gas sucked into said some of the wind-boxes to the hood; and an air supply unit connected to at least one of the hood and the circulation unit to supply air to the to-be-sintered material. The present disclosure may improve a quality and productivity of a sintered ore, and may reduce an emission of pollutants.

IPC 8 full level
F27B 21/06 (2006.01); **F23H 11/10** (2006.01); **F27D 1/18** (2006.01); **F27D 3/00** (2006.01); **F27D 7/02** (2006.01); **F27D 19/00** (2006.01)

CPC (source: EP)
F27B 21/06 (2013.01); **F27D 1/18** (2013.01); **F27D 3/00** (2013.01); **F27D 7/02** (2013.01); **F27D 19/00** (2013.01)

Cited by
CN112725615A; WO2022134322A1

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 3431909 A1 20190123; EP 3431909 A4 20190123; EP 3431909 B1 20200603; CN 108779960 A 20181109; JP 2019508658 A 20190328; JP 6688396 B2 20200428; KR 101766672 B1 20170809; WO 2017159962 A1 20170921

DOCDB simple family (application)
EP 16894692 A 20161124; CN 201680083324 A 20161124; JP 2018539316 A 20161124; KR 20160032765 A 20160318; KR 2016013625 W 20161124