

Title (en)
EXHAUST GAS PROCESSING APPARATUS AND PROCESSING METHOD

Title (de)
ABGASVERARBEITUNGSVORRICHTUNG UND VERARBEITUNGSVERFAHREN

Title (fr)
SYSTÈME DE TRAITEMENT DE GAZ D'ÉCHAPPEMENT ET PROCÉDÉ DE TRAITEMENT

Publication
EP 3531052 A4 20190828 (EN)

Application
EP 17862388 A 20171013

Priority
• KR 20160135152 A 20161018
• KR 2017011350 W 20171013

Abstract (en)
[origin: EP3531052A1] Provided is an exhaust gas processing apparatus including a gas-suction array extending in a traveling direction of a truck and disposed below the truck which is disposed to move along a plurality of regions while receiving a raw-material, wherein the gas-suction array has an exhaust-gas circulation region and an exhaust-gas discharging region which are separated from each other, and a gas-blocking structure disposed at a boundary between the exhaust-gas circulation region and exhaust-gas discharging region so as to seal the spacing between the gas-suction array and the truck at the boundary, and an exhaust gas processing method applied to the exhaust gas processing apparatus, which may suppress or prevent interference between exhaust-gas flows due to a difference between negative pressures in regions of an equipment.

IPC 8 full level
F27D 17/00 (2006.01); **C22B 1/20** (2006.01); **F27B 21/02** (2006.01); **F27B 21/06** (2006.01); **F27D 7/04** (2006.01); **F27D 7/06** (2006.01)

CPC (source: EP KR)
C22B 1/20 (2013.01 - EP KR); **F27B 21/02** (2013.01 - KR); **F27B 21/06** (2013.01 - EP KR); **F27D 7/04** (2013.01 - EP); **F27D 7/06** (2013.01 - KR); **F27D 17/002** (2013.01 - EP KR)

Citation (search report)
• [X1] US 2235261 A 19410318 - LABBE ARMAND L
• [X1] JP S60149878 A 19850807 - KAWASAKI STEEL CO
• [X1] JP H07305120 A 19951121 - NIPPON STEEL CORP
• [X1] FR 1353700 A 19640228 - METALLGESELLSCHAFT AG
• [A] JP S59189287 A 19841026 - HITACHI SHIPBUILDING ENG CO
• [A] JP H11281261 A 19991015 - KAWASAKI STEEL CO
• [A] KR 20160022468 A 20160302 - POSCO [KR]
• [A] JP H0552697 U 19930713
• See references of WO 2018074783A1

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 3531052 A1 20190828; EP 3531052 A4 20190828; CN 109844435 A 20190604; CN 109844435 B 20201027; JP 2019534951 A 20191205; KR 101796083 B1 20171110; TW 201819756 A 20180601; TW I663323 B 20190621; WO 2018074783 A1 20180426

DOCDB simple family (application)
EP 17862388 A 20171013; CN 201780064145 A 20171013; JP 2019542336 A 20171013; KR 20160135152 A 20161018; KR 2017011350 W 20171013; TW 106135485 A 20171017