

Title (en)
A DEVICE OF A BULK SHIP FOR SAND TRANSPORT AND FLUIDIZED UNLOADING

Title (de)
VORRICHTUNG FÜR EIN FRACHTSCHIFF ZUM TRANSPORTIEREN VON SAND UND ZUR FLÜSSIGKEITSENTLADUNG

Title (fr)
DISPOSITIF DANS UN NAVIRE DE TRANSPORT EN VRAC POUR LE TRANSPORT DU SABLE ET POUR LE DÉCHARGEMENT FLUIDISÉ

Publication
EP 2473398 A4 20140409 (EN)

Application
EP 10814004 A 20100830

Priority

- NO 20092951 A 20090903
- NO 2010000320 W 20100830

Abstract (en)
[origin: WO2011028127A1] A device of a bulk ship (1) for sand transport and fluidized unloading, wherein an unloading pipe (24) communicates with at least one of the holds (2) of the bulk ship (1), and wherein the unloading pipe (24) is connected to a submerged pipe connector (30).

IPC 8 full level
B63B 27/25 (2006.01); **B63B 9/04** (2006.01); **B63B 27/00** (2006.01)

CPC (source: EP KR US)
B63B 27/25 (2013.01 - KR); **B63B 27/29** (2020.05 - EP US); **B63B 27/34** (2013.01 - KR); **B63B 83/00** (2020.01 - KR)

Citation (search report)

- [Y] JP S5467988 A 19790531 - HITACHI SHIPBUILDING ENG CO
- [YA] JP 3112488 U 20050818
- [A] US 3445008 A 19690520 - KOCH LUDWIG W
- [Y] EP 2088075 A1 20090812 - MORIMOTO NOBUYOSHI [JP]
- See references of WO 2011028127A1

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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2011028127 A1 20110310; AU 2010290191 A1 20120419; CN 102596706 A 20120718; EP 2473398 A1 20120711; EP 2473398 A4 20140409; JP 2013503780 A 20130204; KR 20120081591 A 20120719; NO 20092951 A1 20110304; SG 169261 A1 20110330; SG 180259 A1 20120530; US 2012237303 A1 20120920

DOCDB simple family (application)
NO 2010000320 W 20100830; AU 2010290191 A 20100830; CN 201080039537 A 20100830; EP 10814004 A 20100830; JP 2012527841 A 20100830; KR 20127008010 A 20100830; NO 20092951 A 20090903; SG 2009060476 A 20090911; SG 201202769 A 20090911; US 201013392802 A 20100830