Title (en)

Cargo pump apparatus for liquid cargo ship

Title (de)

Ladepumpenvorrichtung für Flüssigfrachtschiff

Title (fr)

Appareil de pompe de cargo pour navire transporteur de liquides

Publication

EP 1985535 A2 20081029 (EN)

Application

EP 07118079 A 20071009

Priority

JP 2007117890 A 20070427

Abstract (en)

A cargo pump apparatus is suitable for liquid cargo ships required to carry six to eight types of cargo and having a plurality of holds partitioned by a central bulkhead standing upright on a lower longitudinal stool and transverse bulkheads. Each cargo pump room is provided at an intersecting portion of the central bulkhead and one of the transverse bulkheads, and penetrates a hatch provided on an upper deck and the lower longitudinal stool. One deep well pump is provided in each cargo pump room. The suction side of the deep well pump is connected to a cargo suction portion which has an open end in the hold and penetrates the inclined wall of the lower longitudinal stool. The discharge side of the deep well pump is connected to a cargo discharge pipe connected to a manifold pipe laid on the upper deck through the cargo pump room. Either the cargo suction portion in the cargo pump room is connected through an expansion pipe, or the deep well pump is secured through an expansion pipe.

IPC 8 full level

B63B 27/24 (2006.01); **B63B 3/56** (2006.01); **B63B 11/02** (2006.01); **B63J 99/00** (2009.01)

CPC (source: EP KR)

B63B 11/02 (2013.01 - EP); **B63B 25/08** (2013.01 - KR); **B63B 27/24** (2013.01 - EP)

Citation (applicant)

JP 2001180576 A 20010703 - MITSUI O S K LINES LTD, et al

Cited by

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Designated contracting state (EPC)

DE PL

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1985535 A2 20081029; **EP 1985535 A3 20140521**; **EP 1985535 B1 20170510**; CN 100581920 C 20100120; CN 101293561 A 20081029; JP 2008273342 A 20081113; JP 4382111 B2 20091209; KR 100932043 B1 20091215; KR 20080096344 A 20081030; PL 1985535 T3 20170929

DOCDB simple family (application)

EP 07118079 A 20071009; CN 200710139711 A 20070727; JP 2007117890 A 20070427; KR 20070089232 A 20070904; PL 07118079 T 20071009