

Title (en)

ARTICULATED FLUID TRANSMISSION DEVICE AND LOADING CRANE COMPRISING SAID DEVICE

Title (de)

Gelenkvorrichtung zum Übertragen von Flüssigkeiten und Ladekran mit solcher Vorrichtung

Title (fr)

DISPOSITIF ARTICULE POUR TRANSFERT DE FLUIDE ET GRUE DE CHARGEMENT COMPORTANT UN TEL DISPOSITIF

Publication

**EP 1181238 B1 20030820 (FR)**

Application

**EP 00922772 A 20000427**

Priority

- FR 0001126 W 20000427
- FR 9905607 A 19990503

Abstract (en)

[origin: US6343620B1] The transfer device between a jib including at least one pipe section (54a, 54b) fixed to the jib (12) and a coupling, comprises a system of concertina or deformable diamond-shaped type articulated pipe segments and actuated by cable, at least one pipe section (24a, 24b) connecting to the coupling means. Each section fixed to the jib or connecting to the coupling is connected to one end of the system by a bend and rotary joints (53a, 53b), the bend being fixed to a support (51, 52) suspended from the jib. Each end of the system is fixed to a support (74a) movably mounted in rotation by a bearing (78a) on the bend support to which the end is connected, concentrically with the joint (72a) connecting the end to the bend. The invention applies in particular to the transfer of liquefied natural gas from a marine platform to an oil tanker.

IPC 1-7

**B67D 5/70**

IPC 8 full level

**B63B 25/08** (2006.01); **B67D 9/00** (2010.01); **B67D 9/02** (2010.01)

CPC (source: EP KR US)

**B67D 7/06** (2013.01 - KR); **B67D 9/02** (2013.01 - EP US); **Y10T 137/8807** (2015.04 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**US 6343620 B1 20020205**; AT E247598 T1 20030915; AU 4305900 A 20001117; AU 759005 B2 20030403; BR 0011222 A 20020319; BR 0011222 B1 20100713; CA 2371529 A1 20001109; CA 2371529 C 20090714; CN 1131169 C 20031217; CN 1349476 A 20020515; DE 60004661 D1 20030925; DE 60004661 T2 20040617; EP 1181238 A1 20020227; EP 1181238 B1 20030820; ES 2206226 T3 20040516; FR 2793235 A1 20001110; FR 2793235 B1 20010810; JP 2002543011 A 20021217; JP 4197848 B2 20081217; KR 100628671 B1 20060927; KR 20020014792 A 20020225; MX PA01011040 A 20020722; NO 20015370 D0 20011102; NO 20015370 L 20010102; NO 322315 B1 20060911; WO 0066484 A1 20001109; YU 78401 A 20030228; ZA 200108817 B 20030220

DOCDB simple family (application)

**US 56396600 A 20000503**; AT 00922772 T 20000427; AU 4305900 A 20000427; BR 0011222 A 20000427; CA 2371529 A 20000427; CN 00807156 A 20000427; DE 60004661 T 20000427; EP 00922772 A 20000427; ES 00922772 T 20000427; FR 0001126 W 20000427; FR 9905607 A 19990503; JP 2000615327 A 20000427; KR 20017013999 A 20011102; MX PA01011040 A 20000427; NO 20015370 A 20011102; YU P78401 A 20000427; ZA 200108817 A 20011025