

Title (en)
Mooring apparatus

Title (de)
Vertäuungsverfahren

Title (fr)
Dispositif de mouillage

Publication
EP 1400442 B1 20061122 (EN)

Application
EP 03255544 A 20030905

Priority
GB 0221698 A 20020918

Abstract (en)
[origin: EP1400442A1] The present invention relates to apparatus for mooring a floating vessel in open sea, using a semi submersible floating dock. The apparatus is particularly suitable for tankers carrying liquid natural gas in cryogenic form which can be a dangerous substance to handle and hence offshore terminals are preferred. The apparatus comprises a semi-submersible floating dock (1) for receiving a vessel (10) and a single point mooring system (5), with a rigid arm (3) between the two. The dock (1) is pivotally connected to the arm (3). The single point mooring system (5) comprises a mooring buoy (17) secured to the seabed by a compliant anchoring system such as a number of catenary anchor legs (15). This allows vertical movement of the mooring buoy (17) but constrains the movement to a relatively small column of water. <IMAGE>

IPC 8 full level
B63B 22/02 (2006.01); **B63B 27/34** (2006.01); **B63C 1/02** (2006.01)

CPC (source: EP)
B63B 22/026 (2013.01); **B63C 1/02** (2013.01)

Cited by
CN104619583A; FR2874589A1; US7287484B2; EP1462358A1; US7886679B2; US9278741B2; US7610869B2; WO2007071647A3; WO2006027455A1; WO2014031075A1; US6915753B1; US9463848B2; JP2009520630A

Designated contracting state (EPC)
CH CY FR IT LI NL

DOCDB simple family (publication)
EP 1400442 A1 20040324; **EP 1400442 B1 20061122**; CY 1105952 T1 20110406; GB 0221698 D0 20021030; GB 2393169 A 20040324; GB 2393169 B 20041222

DOCDB simple family (application)
EP 03255544 A 20030905; CY 071100099 T 20070125; GB 0221698 A 20020918