

Title (en)

SPREAD MOORED VESSEL COMPRISING A RISER MOONPOOL

Title (de)

VERTEILT FESTGEMACHTES SCHIFF MIT EINEM STEIGROHR-MOONPOOL

Title (fr)

NAVIRE AMARRÉ À ÉTALEMENT COMPRENANT UN Puits CENTRAL DE COLONNE MONTANTE

Publication

EP 4103464 A1 20221221 (EN)

Application

EP 21701820 A 20210201

Priority

- EP 20156361 A 20200210
- EP 2021052314 W 20210201

Abstract (en)

[origin: WO2021160457A1] The invention relates to an offshore vessel (1, 150) comprising a hull (2, 155) having a length of at least 200m, and having a riser moonpool (17, 170) situated on a longitudinal center line (14) of the vessel extending in a vertical direction from deck level to keel level, the moonpool comprising a riser connector member for attaching risers (27, 76, 76', 77, 77'), to the hull (2, 155). The riser connector member has a riser support structure (26) extending across the moonpool (17, 170) and placed in the moonpool near the bottom (18), for attaching the risers (27, 76, 76', 77, 77') at spaced apart positions distributed over the cross section of the moonpool. A manifold module (68, 69) may be situated alongside the moonpool (17, 170). A pulling system (70, 121, 172) is situated near deck level in an area at or near the moonpool, and comprises a movable lifting member (103, 105, 111) that is displaceable across the moonpool (17, 170) for attaching to the risers (27, 76, 76', 77, 77') and exerting an upward pulling force on the risers. The construction is compact and can accommodate a large number of risers with reduced sagging and fatigue weakening.

IPC 8 full level

B63B 21/50 (2006.01)

CPC (source: EP KR)

B63B 21/50 (2013.01 - EP KR); **B63B 35/44** (2013.01 - KR); **E21B 19/004** (2013.01 - EP KR); **B63B 27/08** (2013.01 - KR); **B63B 2003/147** (2013.01 - EP KR); **B63B 2035/448** (2013.01 - EP KR)

Citation (search report)

See references of WO 2021160457A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2021160457 A1 20210819; BR 112022015624 A2 20221004; CN 115087591 A 20220920; EP 4103464 A1 20221221; KR 20220137987 A 20221012

DOCDB simple family (application)

EP 2021052314 W 20210201; BR 112022015624 A 20210201; CN 202180013876 A 20210201; EP 21701820 A 20210201; KR 20227031438 A 20210201