

Title (en)

COMBINATION OF HEAVY LIFT VESSEL AND FLOATING APPENDAGE STRUCTURE

Title (de)

KOMBINATION AUS EINEM SCHWERLASTHEBESCHIFF UND EINER SCHWIMMENDER ANHÄNGSELSTRUKTUR

Title (fr)

COMBINAISON D'UN NAVIRE TRANSPORTEUR DE CHARGES LOURDES ET D'UNE STRUCTURE D'APPENDICE FLOTTANT

Publication

**EP 3867138 A2 20210825 (EN)**

Application

**EP 19828889 A 20191021**

Priority

- NL 2021841 A 20181019
- NL 2019050691 W 20191021

Abstract (en)

[origin: WO2020080948A2] The present invention relates to a combination of a heavy lift vessel and an floating appendage structure which are interconnected by a hinge having a horizontal hinge axis, wherein: - the heavy lift vessel comprises: • at least one crane comprising a crane boom, wherein the heavy lift vessel is configured to carry out heavy lift operations by itself, i.e. without the floating appendage structure, • at least one vessel hinge assembly, - the floating appendage structure is configured to lift a heavy structure at sea and comprises: • a hull, • at least one appendage hinge assembly configured to be connected to the vessel hinge assembly and to form the hinge therewith, • at least one crane line connector mounted to the hull, wherein the heavy lift vessel and the floating appendage structure are interconnected via the hinge, wherein the hinge allows a rotation of the floating appendage structure relative to the heavy lift vessel about the hinge axis, and wherein a crane line suspension point of the at least one crane boom is positioned above the floating appendage structure, wherein the at least one crane is connected to the floating appendage structure, wherein at least one first crane line extends from the first crane line connector to the crane line suspension point of the at least one crane and wherein at least one second line extends from the second crane line connector to the crane line suspension point of the at least one crane.

IPC 8 full level

**B63B 35/00** (2020.01); **B63B 35/42** (2006.01); **E02B 17/00** (2006.01)

CPC (source: EP)

**B63B 35/003** (2013.01); **B63B 35/42** (2013.01); **E02B 17/027** (2013.01); **E02B 2017/0047** (2013.01); **E02B 2017/0052** (2013.01); **E02B 2017/0069** (2013.01); **E02B 2017/0086** (2013.01)

Citation (search report)

See references of WO 2020080948A2

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

DOCDB simple family (publication)

**WO 2020080948 A2 20200423**; **WO 2020080948 A3 20200528**; EP 3867138 A2 20210825; EP 3867138 B1 20230125; NL 2021841 B1 20200513

DOCDB simple family (application)

**NL 2019050691 W 20191021**; EP 19828889 A 20191021; NL 2021841 A 20181019