

Title (en)

INTEGRATED DISASSEMBLY SYSTEM AND DISASSEMBLY METHOD FOR LARGE OFFSHORE STRUCTURE

Title (de)

INTEGRIERTES DEMONTAGESYSTEM UND DEMONTAGEVERFAHREN FÜR EINE GROSSE OFFSHORE-STRUKTUR

Title (fr)

SYSTÈME DE DÉMONTAGE INTÉGRÉ ET PROCÉDÉ DE DÉMONTAGE POUR CONSTRUCTION EN MER DE GRANDES DIMENSIONS

Publication

**EP 4053012 B1 20240221 (EN)**

Application

**EP 20910667 A 20201214**

Priority

- CN 201911394244 A 20191230
- CN 201922435538 U 20191230
- CN 2020136068 W 20201214

Abstract (en)

[origin: EP4053012A1] An integrated disassembling and assembling system includes a semi-submersible vessel I (1), a semi-submersible vessel II (3), multiple lifting arms I (2), multiple lifting arms II (4), and an offshore structure (5), where a support I (6) and a support II (7) for the lifting arms I (2) are mounted on the semi-submersible vessel I (1) through bolts; a support I (6) and a support II (7) for the lifting arms II (4) are mounted on the semi-submersible vessel II (3) through bolts; the lifting arms I (2) are arranged on the semi-submersible vessel I (1) in parallel; the lifting arms II (4) are arranged on the semi-submersible vessel II (3) in parallel; the lifting arms I (2) and the lifting arms II (4) are provided with a lifting system having a three-way motion compensation function.

IPC 8 full level

**B63B 75/00** (2020.01); **B63B 27/10** (2006.01); **B63B 85/00** (2020.01); **B63C 7/00** (2006.01)

CPC (source: EP)

**B63B 27/10** (2013.01); **B63B 75/00** (2020.01); **B63C 7/006** (2013.01)

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

DOCDB simple family (publication)

**EP 4053012 A1 20220907**; **EP 4053012 A4 20230118**; **EP 4053012 B1 20240221**; WO 2021135903 A1 20210708

DOCDB simple family (application)

**EP 20910667 A 20201214**; CN 2020136068 W 20201214