

Title (en)
Deep Water Offshore Apparatus and Assembly Method

Title (de)
Tiefsee-Offshore-Vorrichtung und Montageverfahren

Title (fr)
Plate-forme d'haute mer et procédé d'assemblage

Publication
EP 2364909 A3 20170111 (EN)

Application
EP 11157703 A 20110310

Priority
US 72168110 A 20100311

Abstract (en)
[origin: EP2364909A2] A truss type spar (10) that eliminates the need for the more complex and critical attachment of the buoyant hull to the truss section at a fabrication site/yard that is remote from the fabrication yard where the buoyant hull and truss sections were originally built. The buoyant hull (12) and initial truss sections (14) are constructed at the fabrication yard of choice, joined together, and transported to a dock or fabrication yard (a second location) that is as close as possible to the final offshore installation site. Transport of such completed structures, either separately or together, is normally done on a heavy lift vessel to reduce transport time and prevent damage to the buoyant hull and truss sections. Once at the fabrication yard/dock, the joined buoyant hull (12) and initial truss section (14) are floated off the heavy lift vessel and the draft adjusted to a position suitable for joining additional truss sections. One or more additional truss sections (16,18) can be attached to the initial section, and the completed buoyant hull and truss is then towed to the final offshore installation site.

IPC 8 full level
B63B 35/44 (2006.01); **B63B 1/04** (2006.01); **B63B 9/06** (2006.01)

CPC (source: EP US)
B63B 1/048 (2013.01 - EP US); **B63B 35/4406** (2013.01 - EP US); **B63B 75/00** (2020.01 - EP US); **B63B 35/003** (2013.01 - EP US); **B63B 2001/044** (2013.01 - EP US); **B63B 2035/442** (2013.01 - EP US); **B63B 2039/067** (2013.01 - EP US)

Citation (search report)

- [I] GB 2378472 A 20030212 - SPARTEC INC [US]
- [I] US 2002139286 A1 20021003 - LEE JAMES J [US], et al
- [A] US 3736756 A 19730605 - LLOYD J
- [A] GB 2303337 A 19970219 - KVAERNER EARL & WRIGHT [GB]
- [A] JP S60208512 A 19851021 - HITACHI SHIPBUILDING ENG CO

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)
EP 2364909 A2 20110914; EP 2364909 A3 20170111; EP 2364909 B1 20181107; AU 2011201094 A1 20110929; AU 2011201094 B2 20120614; BR PI1101088 A2 20120807; BR PI1101088 B1 20200825; CA 2733776 A1 20110911; CN 102267547 A 20111207; DK 2364909 T3 20190211; MX 2011002653 A 20111108; MX 367372 B 20190816; NZ 591695 A 20120629; US 2011219999 A1 20110915

DOCDB simple family (application)
EP 11157703 A 20110310; AU 2011201094 A 20110310; BR PI1101088 A 20110311; CA 2733776 A 20110311; CN 201110108973 A 20110311; DK 11157703 T 20110310; MX 2011002653 A 20110310; NZ 59169511 A 20110311; US 72168110 A 20100311