

Title (en)
Improved heave plate on floating offshore structure

Title (de)
Verbesserte Hubplatte einer schwimmenden Offshore-Struktur

Title (fr)
Plaque lourde améliorée pour structure flottante en mer

Publication
EP 2239191 A3 20121226 (EN)

Application
EP 10159468 A 20100409

Priority
US 42090309 A 20090409

Abstract (en)
[origin: EP2239191A2] A floating offshore structure having a buoyant hull with an open truss frame having heave plates vertically spaced along the truss frame. One or more of the heave plates include a skirt plate that is attached around the outer perimeter of the heave plate and increases the effectiveness of the heave plate at trapping water mass between the heave plates for reducing heave motions of the floating offshore structure. A skirt plate is attached to one or more heave plates at substantially a right angle to the heave plate. The skirt plate may extend beyond the upper and lower surfaces of the heave plate or be positioned so as to be flush with the one surface of the heave plate and extend only beyond the opposite surface of the heave plate.

IPC 8 full level
B63B 35/44 (2006.01)

CPC (source: EP US)
B63B 35/4413 (2013.01 - EP US)

Citation (search report)

- [X] GB 2336810 A 19991103 - DEEP OIL TECHNOLOGY INC [US]
- [AD] US 5558467 A 19960924 - HORTON EDWARD E [US]
- [A] US 6227137 B1 20010508 - ALLEN DONALD WAYNE [US], et al
- [A] US 6761508 B1 20040713 - HAUN RICHARD DAVID [US]
- [A] WO 2008127958 A1 20081023 - SHELL OIL CO [US], et al
- [A] WO 9829299 A1 19980709 - SHELL INT RESEARCH [NL]

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CN111022269A

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA ME RS

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 10159468 A 20100409; AU 2010201416 A 20100408; BR PI1000994 A 20100409; CA 2699395 A 20100409; CN 201010188008 A 20100409; MX 2010003735 A 20100406; US 42090309 A 20090409