

Title (en)
METHOD FOR OFFSHORE FLOATING PETROLEUM PRODUCTION, STORAGE AND OFFLOADING WITH A BUOYANT STRUCTURE

Title (de)
VERFAHREN FÜR SCHWIMMENDE OFFSHORE-ERDÖLPRODUKTION, -LAGERUNG UND -ABLADUNG MIT EINER SCHWIMMFÄHIGEN STRUKTUR

Title (fr)
PROCÉDÉ DE PRODUCTION, DE STOCKAGE ET DE DÉCHARGEMENT FLOTTANTS DE PÉTROLE EN MER AVEC UNE STRUCTURE FLOTTANTE

Publication
EP 3713830 A4 20210811 (EN)

Application
EP 18880581 A 20181119

Priority
• US 201715821180 A 20171122
• US 2018061772 W 20181119

Abstract (en)
[origin: WO2019103963A1] A method for offshore floating petroleum production, storage and offloading comprising receiving hydrocarbons from at least one of an FPSO, production risers, or wellhead on the seabed by a floating hull; processing received hydrocarbons forming hydrocarbon product in the floating hull; storing the hydrocarbon product in the floating hull; and offloading the stored hydrocarbon product. The floating hull contains a hull plan view that is circular and wherein the floating hull has a bottom surface, a top deck surface, at least three connected sections, joined in series and symmetrically configured about a vertical axis with the connected sections extending downwardly from the top deck surface toward the bottom surface. The at least three connected sections contain an upper cylindrical portion, a lower conical section, a cylindrical neck section, and a set of fins secured to the hull configured to provide hydrodynamic performance through linear and quadratic damping.

IPC 8 full level
B63B 21/50 (2006.01); **B63B 1/04** (2006.01); **B63B 21/00** (2006.01); **B63B 35/44** (2006.01); **B63B 39/02** (2006.01)

CPC (source: EP KR RU)
B63B 1/041 (2013.01 - EP KR); **B63B 1/048** (2013.01 - EP KR); **B63B 21/50** (2013.01 - RU); **B63B 35/44** (2013.01 - EP KR RU); **B63B 39/00** (2013.01 - RU); **B63B 21/50** (2013.01 - EP KR); **B63B 39/02** (2013.01 - EP KR); **B63B 2035/448** (2013.01 - EP KR)

Citation (search report)
• [XY] WO 2016137643 A1 20160901 - JURONG SHIPYARD PTE LTD [SG], et al
• [XA] WO 2011056695 A1 20110512 - SSP OFFSHORE INC [US]
• [Y] WO 0063519 A2 20001026 - OPE INC [US], et al
• See references of WO 2019103963A1

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)
WO 2019103963 A1 20190531; AR 113539 A1 20200513; AU 2018372849 A1 20200604; BR 112020010038 A2 20201103; BR 112020010038 A8 20221004; CA 3082826 A1 20190531; CN 111372844 A 20200703; CN 111372844 B 20221018; EP 3713830 A1 20200930; EP 3713830 A4 20210811; KR 102528170 B1 20230502; KR 20200087189 A 20200720; RU 2747345 C1 20210504; SG 11202004612Q A 20200629; TW 201925027 A 20190701; TW I765123 B 20220521

DOCDB simple family (application)
US 2018061772 W 20181119; AR P180103424 A 20181122; AU 2018372849 A 20181119; BR 112020010038 A 20181119; CA 3082826 A 20181119; CN 201880075743 A 20181119; EP 18880581 A 20181119; KR 20207016214 A 20181119; RU 2020120324 A 20181119; SG 11202004612Q A 20181119; TW 107141462 A 20181121