Title (en)

MARINE SUBSEA ASSEMBLIES

Title (de)

MARINE UNTERWASSERANORDNUNGEN

Title (fr)

ENSEMBLES SOUS-MARINS

Publication

EP 2627859 A2 20130821 (EN)

Application

EP 11773946 A 20111011

Priority

- US 39289910 P 20101013
- US 201113156258 A 20110608
- US 39244310 P 20101012
- US 2011055693 W 20111011

Abstract (en)

[origin: WO2012051148A2] A lower riser assembly connects a riser to a seabed mooring and to a subsea hydrocarbon fluid source. The assembly includes sufficient intake ports to accommodate flow of hydrocarbons from the hydrocarbon fluid source, as well as optional flow assurance fluid. The upper end of the member has a profile suitable for fluidly connecting to the riser. The lower end of the member includes a connector suitable for connecting to the seabed mooring. An upper riser assembly connects the riser to a near-surface subsea buoyancy device and to a surface structure. The assembly includes sufficient outtake ports to accommodate flow of hydrocarbons from the riser through a subsea flexible conduit to the surface structure. The upper end of the member includes a connector for connecting to a subsea buoyancy device. The lower end of the member comprises a profile suitable for fluidly connecting to the riser.

IPC 8 full level

E21B 33/038 (2006.01); **E02D 27/04** (2006.01); **E21B 17/01** (2006.01); **E21B 17/08** (2006.01); **E21B 36/00** (2006.01); **E21B 43/013** (2006.01)

CPC (source: EP US)

E21B 17/015 (2013.01 - EP); **E21B 17/0853** (2020.05 - EP US); **E21B 33/038** (2013.01 - EP US); **E21B 36/003** (2013.01 - EP); **E21B 36/005** (2013.01 - EP); **E21B 43/013** (2013.01 - EP)

Citation (search report)

See references of WO 2012051148A2

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 2012051148 A2 20120419; **WO 2012051148 A3 20130516**; AU 2011316731 A1 20130328; AU 2011316731 B2 20150924; CA 2811110 A1 20120419; CN 103228865 A 20130731; EA 026518 B1 20170428; EA 201300439 A1 20130930; EP 2627859 A2 20130821; MX 2013003989 A 20131008

DOCDB simple family (application)

US 2011055693 W 20111011; AU 2011316731 A 20111011; CA 2811110 A 20111011; CN 201180049579 A 20111011; EA 201300439 A 20111011; EP 11773946 A 20111011; MX 2013003989 A 20111011