

Title (en)
INSTALLATION COMPRISING AT LEAST TWO SEAFLOOR-SURFACE CONNECTORS FOR AT LEAST TWO SUBMARINE PIPELINES RESTING ON THE SEAFLOOR

Title (de)
ANLAGE MIT MINDESTENS ZWEI MEERESBODENFLÄCHENSTECKERN FÜR MINDESTENS ZWEI AUF DEM MEERESBODEN LIEGENDE UNTERWASSERPIPELINES

Title (fr)
INSTALLATION COMPRENANT AU MOINS DEUX LIAISONS FOND-SURFACE D AU MOINS DEUX CONDUITES SOUS-MARINES REPOSANT AU FOND DE LA MER.

Publication
EP 1917416 B1 20090114 (FR)

Application
EP 06794362 A 20060825

Priority
• FR 2006001991 W 20060825
• FR 0508773 A 20050826

Abstract (en)
[origin: WO2007023233A1] The invention relates to an installation comprising seafloor-surface connectors for at least two submarine pipelines (10a, 10b) resting on the seafloor. The inventive installation includes a first hybrid tower comprising: a) a vertical riser (1a) which is anchored (3a) to a first base and which is connected to a submarine pipeline (10a) that is resting on the seafloor, the upper end of said riser being connected to a first subsurface float (2a); and b) a first preferably-flexible connecting line (4a) which provides a link between a floating support (11) and the upper end of the riser. The inventive installation also includes a second rigid line (1b) which extends from the seafloor up to the subsurface, whereat the upper end of the rigid line is connected to a second float (2b) which is located essentially at the same depth as the first float (2a) and which is fixed to said first float at a respective second flexible connecting line (4b), thereby connecting same to one floating support (11).

IPC 8 full level
E21B 43/01 (2006.01); **E21B 17/01** (2006.01)

CPC (source: BR EP US)
E21B 17/015 (2013.01 - BR EP US); **E21B 43/0107** (2013.01 - BR EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007023233 A1 20070301; AT E421026 T1 20090115; BR PI0615091 A2 20110503; BR PI0615091 B1 20180206; DE 602006004883 D1 20090305; EP 1917416 A1 20080507; EP 1917416 B1 20090114; FR 2890098 A1 20070302; FR 2890098 B1 20080104; US 2009103985 A1 20090423; US 7946790 B2 20110524

DOCDB simple family (application)
FR 2006001991 W 20060825; AT 06794362 T 20060825; BR PI0615091 A 20060825; DE 602006004883 T 20060825; EP 06794362 A 20060825; FR 0508773 A 20050826; US 99079106 A 20060825