

Title (en)  
UNDERWATER CONNECTION INSTALLATION

Title (de)  
UNTERWASSER-VERBINDUNGSINSTALLATION

Title (fr)  
INSTALLATION DE CONNEXION SOUS-MARINE

Publication  
**EP 2247817 A1 20101110 (FR)**

Application  
**EP 09720726 A 20090123**

Priority  

- FR 2009000075 W 20090123
- FR 0800411 A 20080125
- FR 0801560 A 20080321

Abstract (en)  
[origin: WO2009112687A1] The invention relates to an underwater connection installation (26) and to a laying method for connecting a riser and a flexible pipe (22) that are intended for carrying hydrocarbons. It comprises a bracket (28) attached to a float (20) to suspend the said riser (12). The said bracket (28) comprises a gooseneck pipe (54) that has a bent-over outlet free end (58) ending in a first coupling (60). The said installation further comprises a coupling end piece (32) mounted on the said flexible pipe (22) and comprising a second coupling (86). According to the invention, the said coupling end piece (32) and the said bracket (28) comprise mechanical guide means involving complementary frustoconical rings (64, 84), the driving of the said coupling end piece (32) and of the said bent-over free end (58) causing the said frustoconical rings (64, 84) to engage with one another and to bring about coaxial alignment of the said couplings (60, 86).

IPC 8 full level  
**E21B 17/01** (2006.01); **E21B 43/013** (2006.01)

CPC (source: EP US)  
**E21B 17/015** (2013.01 - EP US); **E21B 43/013** (2013.01 - EP US)

Citation (search report)  
See references of WO 2009112687A1

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 TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**WO 2009112687 A1 20090917**; AU 2009224542 A1 20090917; AU 2009224542 B2 20150827; BR PI0906840 A2 20150714; BR PI0906840 B1 20181218; EP 2247817 A1 20101110; EP 2247817 B1 20170614; MY 155149 A 20150915; US 2010314123 A1 20101216; US 8418766 B2 20130416

DOCDB simple family (application)  
**FR 2009000075 W 20090123**; AU 2009224542 A 20090123; BR PI0906840 A 20090123; EP 09720726 A 20090123; MY PI20103246 A 20090123; US 86322809 A 20090123