

Title (en)
A SHALLOW WATER SYSTEM

Title (de)
FLACHWASSERSYSTEM

Title (fr)
SYSTÈME EN EAUX PEU PROFONDES

Publication
EP 2512911 A4 20170830 (EN)

Application
EP 10837064 A 20101126

Priority
• DK PA200901333 A 20091216
• DK 2010050323 W 20101126

Abstract (en)
[origin: WO2011072687A1] The invention relates to a shallow water system comprising a floating weathervaning vessel (3) with a topside hang-off structure, a subsea structure and at least one flexible transporting unit (2) extending from the topside hang-off structure to the subsea structure (1). The weathervaning vessel (3) has a bow with a lowermost bow midpoint. The weathervaning vessel is moored such that at still water it can weathervane around a weathervaning vertical centre line, such that the position of the lowermost bow midpoint follows an annular lowermost bow line which defines a vertical tube shaped border to a lowermost bow midpoint exclusion zone (LE-zone). The subsea structure (1) is arranged in said LE-zone. The weathervaning vertical centre line (9) is preferably the nominal weathervaning vertical centre line. The weathervaning vessel (3) is generally a line moored weathervaning vessel. The shallow water system of the invention provides a simple system for design with a high safety against damaging of flexible transporting unit (2). The shallow water system is in particular beneficial for use at very shallow water.

IPC 8 full level
B63B 21/50 (2006.01)

CPC (source: EP)
B63B 21/50 (2013.01); **B63B 21/507** (2013.01); **B63B 27/24** (2013.01)

Citation (search report)
• [X] US 2004028477 A1 20040212 - KELM RON L [US], et al
• [X] US 4299260 A 19811110 - JANSEN MARTIN B
• [A] US 2005095068 A1 20050505 - WILLE HEIN [FR], et al
• [A] WO 9807616 A1 19980226 - MCDERMOTT SA J RAY [US], et al
• See references of WO 2011072687A1

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 2011072687 A1 20110623; AU 2010333428 A1 20120705; AU 2010333428 B2 20140424; BR 112012014650 A2 20160405; BR 112012014650 B1 20201215; CN 102762444 A 20121031; CN 102762444 B 20150311; EP 2512911 A1 20121024; EP 2512911 A4 20170830; EP 2512911 B1 20190710; IN 5149DEN2012 A 20151023; MY 158414 A 20161014

DOCDB simple family (application)
DK 2010050323 W 20101126; AU 2010333428 A 20101126; BR 112012014650 A 20101126; CN 201080064066 A 20101126; EP 10837064 A 20101126; IN 5149DEN2012 A 20120611; MY PI2012002694 A 20101126