Title (en)

STEEL PRODUCTION RISER, OFFSHORE HYDROCARBON PRODUCTION SYSTEM, AND METHOD OF PRODUCING A HYDROCARBON STREAM

Title (de)

Stahlproduktionssteigleitung, Offshore-Kohlenwasserstoffherstellungssystem und Verfahren zur Erzeugung eines Kohlenwasserstoffstroms

Title (fr)

Colonne montante de production d'acier, système de production d'hydrocarbures en mer et procédé de production d'un flux d'hydrocarbure

Publication

EP 2886786 A1 20150624 (EN)

Application

EP 13198736 A 20131220

Priority

EP 13198736 A 20131220

Abstract (en)

A steel production riser (100) provided with an auxiliary buoyancy section (106) around the touchdown point (115) wherein the production riser is provided with a first set of external buoyancy modules (140). As a result of the first set of external buoyancy modules, the upward buoyancy force on the auxiliary buoyancy section in the body of water is smaller than the downward gravity force. The touchdown point is located within the auxiliary buoyancy section. The steel production riser may be used in a method for producing a hydrocarbon stream, whereby mineral hydrocarbon fluids produced from a subsea hydrocarbon reservoir are conveyed to a floating structure via the steel production riser.

IPC 8 full level

E21B 17/01 (2006.01)

CPC (source: EP)

E21B 17/012 (2013.01); **E21B 17/015** (2013.01)

Citation (search report)

- [XI] WO 2006073887 A2 20060713 - SEAHORSE EQUIP CORP [US], et al
- [XI] WO 2013167710 A2 20131114 - WELLSTREAM INT LTD [GB]
- [XI] US 2012263542 A1 20121018 - HOVDE GEIR OLAV [NO]
- [XI] SHANKAR BHAT ET AL: "Pragmatic Solutions to Touch-Down Zone Fatigue Challenges in Steel Catenary Risers", OFFSHORE TECHNOLOGY CONFERENCE, 3 May 2004 (2004-05-03), pages 3 - 6, XP055114602, DOI: 10.4043/16627-MS

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2886786 A1 20150624; AP 2016009250 A0 20160630; AU 2014368814 A1 20160616; AU 2014368814 B2 20170302; BR 112016014076 A2 20170808; BR 112016014076 B1 20211130; WO 2015091616 A2 20150625; WO 2015091616 A3 20151001

DOCDB simple family (application)

EP 13198736 A 20131220; AP 2016009250 A 20141217; AU 2014368814 A 20141217; BR 112016014076 A 20141217; EP 2014078171 W 20141217