

Title (en)

METHOD FOR LIGHTENING A RISER WITH OPTIMIZED WEARING PIECE

Title (de)

VERFAHREN ZUM VERRINGERN DES GEWICHTS EINES STEIGROHRS MIT OPTIMIERTEM VERSCHLEISSTEIL

Title (fr)

METHODE POUR ALLEGER UNE COLONNE MONTANTE AVEC PIECE D'USURE OPTIMISEE

Publication

EP 2340349 B1 20171115 (FR)

Application

EP 09747874 A 20090923

Priority

- FR 2009001137 W 20090923
- FR 0806016 A 20081029

Abstract (en)

[origin: WO2010049602A1] A riser for drilling an offshore well comprises a main tube that extends the well as far as a floating support, an auxiliary pipe being arranged parallel to the main tube (4a, 4b). The auxiliary pipe comprising tubular sections (7a, 7b) made of steel and assembled end to end with a sliding socket connection via a tubular end fitting (25). According to the invention, a material, for example a titanium alloy, that has an elastic limit at least 25% higher than that of the steel of the tubular sections (7a, 7b) is chosen from which to produce said end fitting (25), and the end fitting and the end of said sections are dimensioned to take account of the elastic limit of said material in order to reduce the sealing section of the end fitting.

IPC 8 full level

E21B 17/01 (2006.01); **E21B 17/08** (2006.01); **E21B 17/10** (2006.01)

CPC (source: EP US)

E21B 17/01 (2013.01 - EP US); **E21B 17/0853** (2020.05 - EP US); **E21B 17/1035** (2013.01 - EP US)

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 SM TR

DOCDB simple family (publication)

FR 2937676 A1 20100430; **FR 2937676 B1 20101119**; BR PI0919950 A2 20160216; BR PI0919950 B1 20190716; EP 2340349 A1 20110706; EP 2340349 B1 20171115; US 2011209878 A1 20110901; US 8800666 B2 20140812; WO 2010049602 A1 20100506

DOCDB simple family (application)

FR 0806016 A 20081029; BR PI0919950 A 20090923; EP 09747874 A 20090923; FR 2009001137 W 20090923; US 200913126843 A 20090923