

Title (en)

MULTI-CATENARY TYPE RISING COLUMN

Title (de)

MEHRFACHKETTENFAHRLEITUNG-STEIGROHR

Title (fr)

COLONNE MONTANTE DU TYPE MULTI-CATENAIRE

Publication

EP 1509671 B1 20060816 (FR)

Application

EP 03756012 A 20030527

Priority

- FR 0301599 W 20030527
- FR 0206695 A 20020531

Abstract (en)

[origin: WO03102358A1] The invention relates to a submarine conduit of the riser type (1), giving a connection between a floating support (2) and the bed of the sea (4). Said riser (1) comprises a rigid catenary conduit extending from said floating support (2) to a contact point (5) on the sea bed (4), characterised in that said catenary riser comprises a lower conduit section (6). The lower section (6) has a linear apparent weight in the water less than that of the remainder of the conduit (7, 8) which comprises said catenary riser (1).

IPC 8 full level

E21B 17/01 (2006.01)

CPC (source: EP US)

E21B 17/015 (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 03102358 A1 20031211; AT E336637 T1 20060915; AU 2003258777 A1 20031219; DE 60307629 D1 20060928; EP 1509671 A1 20050302; EP 1509671 B1 20060816; FR 2840350 A1 20031205; FR 2840350 B1 20041210; US 2005254900 A1 20051117; US 7189029 B2 20070313

DOCDB simple family (application)

FR 0301599 W 20030527; AT 03756012 T 20030527; AU 2003258777 A 20030527; DE 60307629 T 20030527; EP 03756012 A 20030527; FR 0206695 A 20020531; US 51432104 A 20041115