Title (en)

OPEN WATER COILED TUBING CONTROL SYSTEM

Title (de)

SYSTEM ZUR STEUERUNG EINES GEWICKELTEN ROHRSTRANGES IN OFFENEN GEWÄSSERN

Title (fr)

SYSTÈME DE COMMANDE DE TUBULURE ENROULÉE EN EAU LIBRE

Publication

EP 4028630 A4 20230726 (EN)

Application

EP 20879225 A 20200930

Priority

- US 201962924045 P 20191021
- US 2020053398 W 20200930

Abstract (en)

[origin: WO2021080752A1] A coiled tubing string may be moved into and/or out from water by deploying an open water coiled tubing control system (1) at sea such as via a vessel. The open water coiled tubing control system (1) comprises a reel (20) configured to accept a coiled tubing string (100), a surface injector (30), a reel tensioner (10) configured to control an arch (110) formed by the coiled tubing string between the reel and the surface injector, a controller (40), a subsea assist jack (50), and a predetermined set of a predetermined set of sensors. Motion of the surface injector and the subsea assist jack are used in part to move the coiled tubing string accepted by the reel into and/or out of a subsea well by receiving various information at the controller from the predetermined set of sensors and using the controller to resolve the received information to move the coiled tubing string into or out from the subsea well at a predetermined desired speed to achieve an outcome commanded by a single input from an operator

IPC 8 full level

E21B 19/02 (2006.01); **E21B 15/02** (2006.01); **E21B 17/00** (2006.01); **E21B 17/12** (2006.01); **E21B 17/20** (2006.01)

CPC (source: EP)

E21B 17/017 (2013.01); **E21B 17/20** (2013.01); **E21B 19/22** (2013.01)

Citation (search report)

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- [A] US 2016369614 A1 20161222 - TURNER ALAN CHARLES JOHN [GB], et al
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- See also references of WO 2021080752A1

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)

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US 2020053398 W 20200930; BR 112022007453 A 20200930; EP 20879225 A 20200930