

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

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CPC (source: EP)

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

Citation (search report)

- [YA] US 7530399 B2 20090512 - DREELAN MICHAEL JOSEPH [GB]
- [A] US 2016369614 A1 20161222 - TURNER ALAN CHARLES JOHN [GB], et al
- [A] US 6116345 A 20000912 - FONTANA PETER [US], et al
- [YA] US 2015101799 A1 20150416 - STEFFENHAGEN TIMOTHY S [US], et al
- See also references of WO 2021080752A1

Designated contracting state (EPC)

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**WO 2021080752 A1 20210429**; BR 112022007453 A2 20220712; EP 4028630 A1 20220720; EP 4028630 A4 20230726

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