

Title (en)  
COILED TUBING APPLICATIONS AND MEASUREMENT TOOL

Title (de)  
ROHRWENDELANWENDUNGEN UND MESSWERKZEUG

Title (fr)  
APPLICATIONS DE TUBE SPIRALÉ ET OUTIL DE MESURE

Publication  
**EP 3724449 A4 20211117 (EN)**

Application  
**EP 18860569 A 20181001**

Priority  
• US 201715721083 A 20170929  
• US 2018053735 W 20181001

Abstract (en)  
[origin: US2019100994A1] An apparatus and system for generating pressure pulses and gathering down-hole sensory information for enhancing and completing a well bore within a coiled tubing operation including: a valve longitudinally and axially positioned within the center of a pulser section and electronics to transmit and record down-hole sensory information. The main fluid flow is interrupted by the main valve which is operated by the controlled pilot fluid stream. The main fluid flow proceeds toward one or more pressure sensors to measure the fluid flow pressure with sensors that send signals to a Digital Signal Processor (DSP) that controls a valve which generates controllable and measurable energy pulses. Recorded downhole sensory information such as temperature, fluid bore and annulus pressure, weight/axial force, torque, vibration, shock, gravity tool-face, casing collar locator, gamma, flow and battery condition can be transmitted in real-time via pressure pulses to the surface with pulser or downloaded for analysis.

IPC 8 full level  
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CPC (source: EP US)  
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Citation (search report)  
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• [Y] US 2009133930 A1 20090528 - THORP RICHARD E [CN], et al  
• [Y] US 2016215590 A1 20160728 - RAVENSBERGEN JOHN EDWARD [CA], et al  
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Designated contracting state (EPC)  
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