

Title (en)

Subsea electronic tagging and monitoring systems

Title (de)

Elektronische Unterwassersysteme zur Markierung und Überwachung

Title (fr)

Systèmes sous-marins électroniques de marquage et surveillance

Publication

EP 1070573 A1 20010124 (EN)

Application

EP 00304235 A 20000519

Priority

- CA 2277628 A 19990719
- GB 9916920 A 19990719

Abstract (en)

A system for tagging and monitoring subsea installations such as valves used in hydrocarbon production includes a torque tool (10) provided with a read/write head (18) for inductive interaction with a capsule (16) on a valve installation (12), the capsule (16) storing valve identification and status data. When the torque tool (10) is operatively engaged with the shaft (or an adaptor) of the valve, the read/write head (18) inductively energizes the capsule (16) and inductively receives identification data from the capsule (16), as well as operating data of previous operation, and this data is sent to a console (26) in an ROV so as to ensure correct identification of the valve and proper subsequent operation by the tool (10). <IMAGE>

IPC 1-7

B25J 19/02; **E21B 33/035**

IPC 8 full level

E21B 33/035 (2006.01); **E21B 41/04** (2006.01)

CPC (source: EP)

E21B 41/04 (2013.01)

Citation (search report)

- [A] US 4878783 A 19891107 - BAUGH BENTON F [US]
- [A] EP 0320135 A1 19890614 - CAMERON IRON WORKS INC [US]

Cited by

US2012259559A1; CN104849075A; CN104169522A; AU2015213892B2; EP2695114A4; US10851621B2; US8981957B2; WO2017153580A1; WO2013122560A1; WO2015118334A3; WO2017000051A1; US10533399B2; US10808485B2; WO2016000057A1; US11085275B2

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