

Title (en)

Dynamometric measuring assembly for drill pipe with radio transmission means.

Title (de)

Anordnung zur Kraftmessung für ein Bohrgestänge mit einer Vorrichtung zur Funkübertragung.

Title (fr)

Ensemble de mesure dynamométrique pour tige de forage muni de moyens de transmission radio.

Publication

**EP 0468891 A1 19920129 (FR)**

Application

**EP 91402073 A 19910725**

Priority

FR 9009638 A 19900727

Abstract (en)

[origin: US5144298A] Dynamometric measuring assembly for a drill pipe, formed by a measuring device comprising, firmly attached to the rotating pipe, sensors and a first electronic circuit for conditioning the signals supplied by these sensors, a radiotransmitter mounted in a fixed manner on the rotating pipe and an acquisition unit. According to the invention, the measuring assembly furthermore comprises a radio receiver mounted on the rotating pipe and intended to allow the remote control of the measuring device.

Abstract (fr)

Ensemble de mesure dynamométrique pour tige de forage formé d'un dispositif de mesure comprenant, solidaires de la tige tournante (10), des capteurs (18-40) et un premier circuit électronique (42) de conditionnement des signaux fournis par ces capteurs, un émetteur radio (44) monté fixe sur la tige tournante (10), et une unité d'acquisition (60). Selon l'invention, l'ensemble de mesure comprend de plus un récepteur radio (46) monté sur la tige tournante (10) et destiné à permettre la commande à distance du dispositif de mesure.

IPC 1-7

**E21B 47/00**; **E21B 47/12**; **G08C 17/00**

IPC 8 full level

**E21B 47/00** (2006.01); **E21B 47/01** (2006.01); **E21B 47/12** (2006.01); **G01L 3/24** (2006.01); **G08C 17/02** (2006.01); **H04Q 9/00** (2006.01)

CPC (source: EP US)

**E21B 47/007** (2020.05 - EP US); **E21B 47/13** (2020.05 - EP US); **G08C 17/02** (2013.01 - EP US)

Citation (search report)

- [X] US 4285236 A 19810825 - CHIEN LORING C
- [Y] US 4197500 A 19800408 - KLEIN THEODORE J [US], et al
- [A] US 4715451 A 19871229 - BSEISU AMJAD A [US], et al
- [A] US 3876972 A 19750408 - GARRETT WILLIAM R

Cited by

DE102010047568A1; GB2293522A; GB2293522B; WO9710580A1; WO9419579A1; WO2011128068A2; US9982529B2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0468891 A1 19920129**; **EP 0468891 B1 19940608**; AT E106987 T1 19940615; CA 2047881 A1 19920128; CA 2047881 C 19991214; DE 69102363 D1 19940714; DE 69102363 T2 19950105; DK 0468891 T3 19941107; ES 2057813 T3 19941016; FR 2665215 A1 19920131; FR 2665215 B1 19971226; JP H0681573 A 19940322; NO 303588 B1 19980803; NO 912858 D0 19910722; NO 912858 L 19920128; OA 09292 A 19920831; US 5144298 A 19920901

DOCDB simple family (application)

**EP 91402073 A 19910725**; AT 91402073 T 19910725; CA 2047881 A 19910725; DE 69102363 T 19910725; DK 91402073 T 19910725; ES 91402073 T 19910725; FR 9009638 A 19900727; JP 20733591 A 19910724; NO 912858 A 19910722; OA 60053 A 19910726; US 73364491 A 19910722