

Title (en)

DYNAMOMETRIC MEASURING DEVICE FOR DRILL PIPE.

Title (de)

VORRICHTUNG ZUR KRAFTMESSUNG FÜR EIN BOHRGESTÄNGE.

Title (fr)

DISPOSITIF DE MESURE DYNAMOMETRIQUE POUR TIGE DE FORAGE.

Publication

EP 0431136 B1 19941130

Application

EP 90910123 A 19900626

Priority

- FR 8908649 A 19890628
- FR 9000467 W 19900626

Abstract (en)

[origin: WO9100413A1] The invention relates to a dynamometric measuring device for drill pipe comprising, integral with the rotating pipe (1), sensors, (20, 40, 60, 70, 50) and a first electronic circuit (3) for the conditioning of signals provided by such sensors, characterized in that the electronic circuit (3) is integral with rotating parts (1), the sensor being arranged in a groove (10) and the measuring signals being transmitted to a fixed part (110, 9, 81) by means of a rotating collector assembly (80) with fixed brush (81) and the crossing of the collector (80), brush (81) assembly being effected with a zero current.

IPC 1-7

G08C 19/00; **E21B 47/00**; **E21B 47/12**

IPC 8 full level

E21B 47/00 (2012.01); **E21B 47/12** (2012.01); **G08C 19/00** (2006.01)

CPC (source: EP US)

E21B 47/007 (2020.05 - EP US); **G08C 19/00** (2013.01 - EP US); **E21B 47/12** (2013.01 - EP US)

Cited by

DE102010047568A1; US9982529B2

Designated contracting state (EPC)

CH DE FR GB IT LI NL

DOCDB simple family (publication)

WO 9100413 A1 19910110; CA 2035477 A1 19901229; CA 2035477 C 19950307; DE 69014567 D1 19950112; DE 69014567 T2 19950720; EP 0431136 A1 19910612; EP 0431136 B1 19941130; FR 2649155 A1 19910104; FR 2649155 B1 19910913; NO 178641 B 19960122; NO 178641 C 19960502; NO 910771 D0 19910227; NO 910771 L 19910425; OA 09285 A 19920831; US 5347859 A 19940920

DOCDB simple family (application)

FR 9000467 W 19900626; CA 2035477 A 19900626; DE 69014567 T 19900626; EP 90910123 A 19900626; FR 8908649 A 19890628; NO 910771 A 19910227; OA 59961 A 19910228; US 65543691 A 19910318