

Title (en)

DEVICE FOR MEASURING DRILLING MAST SWIVEL MOVEMENT.

Title (de)

VORRICHTUNG ZUR MESSUNG DER VERSCHIEBUNG EINES KRAFTDREHKOPFES EINES BOHRMASTES.

Title (fr)

DISPOSITIF DE MESURE DU DEPLACEMENT D'UNE TETE D'INJECTION D'UN MAT DE FORAGE.

Publication

**EP 0528010 A1 19930224 (FR)**

Application

**EP 92907190 A 19920227**

Priority

- FR 9200179 W 19920227
- FR 9102453 A 19910301

Abstract (en)

[origin: WO9215772A1] A device for measuring the movement of a drill pipe string, the end of which is held during drilling by an attachment assembly (12) movably along at least one guide rail (16), comprises a sensor assembly (38) mounted on the attachment assembly with a roller (42) designed to run on the rail as the attachment assembly moves.

Abstract (fr)

Dispositif de mesure du déplacement d'un train de tiges de forage, dont l'extrémité est soutenue lors du forage par un ensemble d'accrochage (12), déplaçable le long d'au moins un rail de guidage (16), le dispositif de mesure comprenant un ensemble capteur (38) monté sur l'ensemble d'accrochage et comportant un galet (42) adapté à rouler sur le rail lors du déplacement de l'ensemble d'accrochage.

IPC 1-7

**E21B 3/02**; **E21B 45/00**; **E21B 47/04**

IPC 8 full level

**E21B 45/00** (2006.01); **E21B 47/04** (2012.01)

CPC (source: EP US)

**E21B 45/00** (2013.01 - EP US); **E21B 47/04** (2013.01 - EP US)

Citation (search report)

See references of WO 9215772A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 9215772 A1 19920917**; AT E121817 T1 19950515; CA 2081012 A1 19920902; CA 2081012 C 20011002; DE 69202213 D1 19950601; DE 69202213 T2 19960125; DK 0528010 T3 19951016; EP 0528010 A1 19930224; EP 0528010 B1 19950426; ES 2074359 T3 19950901; FR 2673442 A1 19920904; FR 2673442 B1 19980828; JP 3054195 B2 20000619; JP H05507534 A 19931028; NO 305040 B1 19990322; NO 924054 D0 19921020; NO 924054 L 19921020; OA 09620 A 19930430; US 5365674 A 19941122

DOCDB simple family (application)

**FR 9200179 W 19920227**; AT 92907190 T 19920227; CA 2081012 A 19920227; DE 69202213 T 19920227; DK 92907190 T 19920227; EP 92907190 A 19920227; ES 92907190 T 19920227; FR 9102453 A 19910301; JP 50689592 A 19920227; NO 924054 A 19921020; OA 60296 A 19921030; US 94094692 A 19921214