

Title (en)

DEVICE FOR ACQUIRING AND COMMUNICATING DATA BETWEEN COLUMNS OF OIL WELLS OR GAS WELLS

Title (de)

VORRICHTUNG ZUR ERFASSUNG UND ÜBERTRAGUNG VON DATEN ZWISCHEN SÄULEN VON ÖL- ODER GASBOHRUNGEN

Title (fr)

DISPOSITIF D'ACQUISITION ET COMMUNICATION DE DONNÉES ENTRE COLONNES DE PUITS DE PÉTROLE OU DE GAZ

Publication

EP 3830391 A1 20210609 (FR)

Application

EP 19744738 A 20190731

Priority

- FR 1857240 A 20180802
- EP 2019070615 W 20190731

Abstract (en)

[origin: WO2020025667A1] The invention relates to oil wells and/or gas wells and more particularly a device and a method for acquiring and transmitting data in the wells based on an equipped tubular component (1) which comprises an internal surface (2), an external surface (3) and a main axis (X), an internal antenna (4) which is located on the side of the internal surface (2), an external antenna (5) which is located on the side of the external surface (3), which may comprise an opening (6) which extends from the external surface (3) and opens onto the internal surface (2), an electrical conductor extending in said opening (6).

IPC 8 full level

E21B 47/01 (2012.01); **E21B 47/10** (2012.01); **E21B 47/12** (2012.01)

CPC (source: EP US)

E21B 47/01 (2013.01 - EP US); **E21B 47/07** (2020.05 - US); **E21B 47/10** (2013.01 - EP US); **E21B 47/13** (2020.05 - EP US)

Citation (search report)

See references of WO 2020025667A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020025667 A1 20200206; AR 115900 A1 20210310; BR 112021000519 A2 20210406; CA 3106172 A1 20200206; CN 112771246 A 20210507; EP 3830391 A1 20210609; FR 3084692 A1 20200207; FR 3084692 B1 20220107; JP 2021533290 A 20211202; MX 2021001259 A 20210412; US 11542813 B2 20230103; US 2021310350 A1 20211007

DOCDB simple family (application)

EP 2019070615 W 20190731; AR P190102202 A 20190802; BR 112021000519 A 20190731; CA 3106172 A 20190731; CN 201980051427 A 20190731; EP 19744738 A 20190731; FR 1857240 A 20180802; JP 2021505857 A 20190731; MX 2021001259 A 20190731; US 201917264107 A 20190731