

Title (en)

APPARATUS AND METHOD FOR INDUCTIVELY MEASURING A REPRESENTATIVE VARIABLE OR A VARIATION IN THE PERIMETER OF A DEFORMABLE OBJECT, AND USE OF THE APPARATUS ON A SHUTTER, A PRESSURE PROBE OR FOR PLETHYSMOGRAPHY

Title (de)

VORRICHTUNG UND VERFAHREN ZUR INDUKTIVEN MESSUNG EINER REPRÄSENTATIVEN VARIABLEN ODER EINER VERÄNDERUNG DES UMFANGS EINES VERFORMBAREN OBJEKTS UND VERWENDUNG DER VORRICHTUNG BEI EINER BLENDE, EINER DRUCKSONDE ODER FÜR DIE PLETHYSMOGRAPHIE

Title (fr)

APPAREIL ET PROCEDE DE MESURE PAR INDUCTANCE D'UNE GRANDEUR REPRESENTATIVE OU D'UNE VARIATION DU PERIMETRE D'UN OBJET DEFORMABLE, ET UTILISATION DE L'APPAREIL SUR UN OBTURATEUR, UNE SONDE PRESSIOMETRIQUE OU POUR LA PLETHYSMOGRAPHIE

Publication

**EP 4022250 A1 20220706 (FR)**

Application

**EP 20764367 A 20200828**

Priority

- FR 1909502 A 20190829
- EP 2020074064 W 20200828

Abstract (en)

[origin: WO2021038030A1] The measurement apparatus (50) comprises at least one elastic hybrid cable (52) wound around the deformable object (22), and a measurement unit (54) capable of measuring the inductance of a wire of the elastic hybrid cable (52) comprising a conductive material between two reference points (58).

IPC 8 full level

**G01B 7/12** (2006.01); **A61B 5/107** (2006.01); **A61B 5/113** (2006.01); **D02G 3/32** (2006.01); **E21B 33/127** (2006.01); **G01B 7/24** (2006.01); **G01L 9/00** (2006.01)

CPC (source: EP US)

**A61B 5/107** (2013.01 - EP); **A61B 5/1072** (2013.01 - US); **A61B 5/1135** (2013.01 - EP); **D02G 3/441** (2013.01 - EP); **G01B 7/12** (2013.01 - EP); **G01B 7/24** (2013.01 - EP); **G01B 7/282** (2013.01 - US); **G01L 9/0029** (2013.01 - EP); **D10B 2401/061** (2013.01 - EP)

Citation (search report)

See references of WO 2021038030A1

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 2021038030 A1 20210304**; CN 114340489 A 20220412; EP 4022250 A1 20220706; FR 3100326 A1 20210305; FR 3100326 B1 20211231; US 2022304592 A1 20220929

DOCDB simple family (application)

**EP 2020074064 W 20200828**; CN 202080060890 A 20200828; EP 20764367 A 20200828; FR 1909502 A 20190829; US 202017639029 A 20200828