

Title (en)

METHOD AND APPARATUS FOR MONITORING PIPELINE USING AN OPTICAL FIBER SENSOR SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ÜBERWACHUNG EINER ROHRLEITUNG UNTER VERWENDUNG EINES GLASFASERSENSORSYSTEMS

Title (fr)

PROCÉDÉ ET APPAREIL POUR SURVEILLER UN PIPELINE AU MOYEN D'UN SYSTÈME DE DÉTECTION À FIBRES OPTIQUES

Publication

EP 3332272 A1 20180613 (EN)

Application

EP 16729876 A 20160613

Priority

- GB 201510267 A 20150612
- EP 2016063442 W 20160613

Abstract (en)

[origin: GB2539254A] An optical fibre sensor system is used to determine the type and location of disturbances along a pipeline, such as digging, drilling, tapping, sabotage etc. The system includes an optical fibre 20 buried along the pipeline 35, a radiation source 30 (e.g. infra-red source), a detector 40 and a signal processor 50. The processor analyses values corresponding to the condition of the optical fibre to create a pattern corresponding to a disturbance, and compares the pattern to recorded patterns of known disturbances.

IPC 8 full level

G01V 8/16 (2006.01); **G01D 5/353** (2006.01); **G01H 9/00** (2006.01)

CPC (source: EP GB)

G01D 5/35358 (2013.01 - EP GB); **G01H 9/004** (2013.01 - EP GB); **G08B 13/124** (2013.01 - GB)

Citation (search report)

See references of WO 2016198683A1

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)

GB 201510267 D0 20150729; **GB 2539254 A 20161214**; EP 3332272 A1 20180613; WO 2016198683 A1 20161215

DOCDB simple family (application)

GB 201510267 A 20150612; EP 16729876 A 20160613; EP 2016063442 W 20160613