

Title (en)

Surveillance method for detecting the approach of a conductive body to a cathodically protected pipeline for fluids

Title (de)

Ein Überwachungsverfahren zum Feststellen einer Annäherung eines leitfähigen Körpers an eine mit einem kathodischen Schutzstrom beaufschlagte Fluid-Transportpipeline

Title (fr)

Méthode de surveillance pour détecter l'approche d'un corps conducteur à un pipeline pour fluides cathodiquement protégé

Publication

EP 1728895 A1 20061206 (DE)

Application

EP 06006493 A 20060329

Priority

DE 102005025824 A 20050602

Abstract (en)

The pipeline (1), for gas or oil or water, carries a cathode protective current for voltage values (U1,U2) to be measured at given time intervals at least at two measurement points (3). A change in the difference between the measurements indicates the approach of a conductive body between the measurement points e.g. a construction vehicle and the like, which could damage the pipeline and also shows any pipeline damage and its location. The measurement points are =25 km apart and preferably at =5 km intervals.

IPC 8 full level

C23F 13/04 (2006.01); **G01R 27/14** (2006.01); **G01R 27/18** (2006.01)

CPC (source: EP)

C23F 13/04 (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 06006493 A 20060329; AT 06006493 T 20060329; DE 102005025824 A 20050602; DE 502006002788 T 20060329; DK 06006493 T 20060329; ES 06006493 T 20060329; PL 06006493 T 20060329