Title (en)
METHOD FOR LOCATING LEAKS IN PIPES

Title (de)
VERFAHREN ZUR ORTUNG VON LECKAGEN IN ROHREN

Title (fr)
PROCEDE DE LOCALISATION DE FUITES DANS DES TUYAUX

Publication
EP 1902292 A1 20080326 (DE)

Application
EP 06764105 A 20060707

Priority
• EP 2006064005 W 20060707
• AT 11802005 A 20050713

Abstract (en)
[origin: WO2007006747A1] The invention relates to a method for determining and optionally locating leakage points in pipelines (1), which are used to transport liquid or gaseous media, by means of at least one electric conductor (2) that runs along the extension of the pipeline (1) from a starting point to an end point. According to the invention, a defined test voltage (U_M, u_L) is applied between two electric conductors (2), or between one electric conductor (2) and the pipeline (1) and the resistance or impedance behaviour between the starting and end points of the two conductors (2), or between the conductor (2) and the pipeline (1) is determined when the pipeline (1) is intact. The resistance or impedance behaviour is then determined using the same test voltages (U_M, u_L) at later points in time and is compared with the resistance or impedance behaviour that is known for the intact pipeline (1). The presence of a leakage point can be ascertained from the deviation of the resistance or impedance behaviour that has been determined at the later points in time from that of the intact pipeline (1).

IPC 8 full level
G01M 3/16 (2006.01); **G01M 3/18** (2006.01); **G01M 3/40** (2006.01)

CPC (source: EP US)
G01M 3/165 (2013.01 - EP US); **G01M 3/18** (2013.01 - EP US)

Citation (search report)
See references of WO 2007006747A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007006747 A1 20070118; AT 501758 A4 20061115; AT 501758 B1 20061115; CA 2614832 A1 20070118; CN 101243311 A 20080813; EP 1902292 A1 20080326; US 2009115433 A1 20090507; US 7782062 B2 20100824

DOCDB simple family (application)
EP 2006064005 W 20060707; AT 11802005 A 20050713; CA 2614832 A 20060707; CN 200680030465 A 20060707; EP 06764105 A 20060707; US 98877206 A 20060707