

Title (en)
METHOD AND DEVICE FOR DETECTING DEPOSITS COMPRISING AT LEAST ONE FERROMAGNETIC MATERIAL ON OR NEAR THE EXTERNAL WALL OF A TUBE

Title (de)
VERFAHREN UND VORRICHTUNG ZUM NACHWEIS VON ABLAGERUNGEN MIT WENIGSTENS EINEM FERROMAGNETISCHEN MATERIAL AUF ODER NAHE DER ÄUSSEREN WAND EINER RÖHRE

Title (fr)
PROCÉDÉ ET DISPOSITIF DE DÉTECTION DE DÉPÔTS COMPORTANT AU MOINS UN MATÉRIAU FERROMAGNÉTIQUE SUR OU À PROXIMITÉ DE LA PAROI EXTERNE D'UN TUBE

Publication
EP 2294397 A1 20110316 (FR)

Application
EP 09745835 A 20090515

Priority
• EP 2009055949 W 20090515
• FR 0853200 A 20080516

Abstract (en)
[origin: WO2009138503A1] The present invention relates to a method of detecting deposits comprising at least one ferromagnetic material, such as nickel, magnetite or the like, on or near the external wall of a tube, notable in that it comprises at least the following steps of: moving a magnetized source inside the tube in the lengthwise direction using an electric motor, measuring the strength of the current in the electric motor, and determining the position and/or the thickness and/or the volume of the said deposit as a function of the variations in the strength of the current measured in the electric motor. Another subject of the invention is a device implementing the said method.

IPC 8 full level
G01N 27/82 (2006.01); **G01B 7/00** (2006.01); **G21C 17/017** (2006.01)

CPC (source: EP US)
G01B 7/003 (2013.01 - EP US); **G01B 7/105** (2013.01 - EP US); **G01N 27/82** (2013.01 - EP US); **G21C 17/017** (2013.01 - EP US); **F16L 2101/30** (2013.01 - EP US); **Y02E 30/30** (2013.01 - EP)

Citation (search report)
See references of WO 2009138503A1

Designated contracting state (EPC)
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 SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2009138503 A1 20091119; CN 102066917 A 20110518; EP 2294397 A1 20110316; FR 2931241 A1 20091120; FR 2931241 B1 20100528; JP 2011521218 A 20110721; KR 20110042035 A 20110422; US 2011142186 A1 20110616; ZA 201009038 B 20120125

DOCDB simple family (application)
EP 2009055949 W 20090515; CN 200980122545 A 20090515; EP 09745835 A 20090515; FR 0853200 A 20080516; JP 2011508940 A 20090515; KR 20107028216 A 20090515; US 99288209 A 20090315; ZA 201009038 A 20101215