

Title (en)
SYSTEM AND METHOD FOR ESTIMATING FILTRATE CONTAMINATION IN FORMATION FLUID SAMPLES USING REFRACTIVE INDEX

Title (de)
SYSTEM UND VERFAHREN ZUR SCHÄTZUNG DER FILTRATVERUNREINIGUNG BEI FORMATIONSFLÜSSIGKEITSPROBEN MITTELS BRECHUNGSINDEX

Title (fr)
SYSTÈME ET PROCÉDÉ D'ESTIMATION D'UNE CONTAMINATION DE FILTRAT DANS DES ÉCHANTILLONS DE FLUIDE DE FORMATION AU MOYEN DE L'INDICE DE RÉFRACTION

Publication
EP 2005154 A4 20120222 (EN)

Application
EP 07754843 A 20070405

Priority

- US 2007008392 W 20070405
- US 79065706 P 20060410
- US 79061506 P 20060410
- US 69653707 A 20070404

Abstract (en)
[origin: WO2007120553A2] A method and apparatus is described for estimating terminal purity or terminal contamination for a fluid during the withdrawal of the fluid from a subsurface formation. The apparatus and method provide for measuring refractive index of the fluid over a time period, fitting a curve through the refractive index measurements or data values derived therefrom and estimating a terminal refractive index or terminal value for the data values from the fitted to curve to estimate the terminal contamination or purity for the fluid.

IPC 8 full level
G01N 33/28 (2006.01); **E21B 49/00** (2006.01); **E21B 49/10** (2006.01); **G01N 21/41** (2006.01)

CPC (source: EP)
E21B 49/0875 (2020.05); **G01N 21/4133** (2013.01); **G01N 33/2823** (2013.01)

Citation (search report)

- [XYI] US 2003071988 A1 20030417 - SMITH J KEVYN [US], et al
- [Y] US 2003163259 A1 20030828 - DIFOGGIO ROCCO [US], et al
- [Y] WO 0050876 A1 20000831 - SCHLUMBERGER LTD [US], et al
- [XYI] US 2005262936 A1 20051201 - DIFOGGIO ROCCO [US]
- See references of WO 2007120553A2

Designated contracting state (EPC)
GB NL

DOCDB simple family (publication)
WO 2007120553 A2 20071025; WO 2007120553 A3 20080918; BR PI0709988 A2 20110802; EP 2005154 A2 20081224; EP 2005154 A4 20120222; NO 20084324 L 20081107

DOCDB simple family (application)
US 2007008392 W 20070405; BR PI0709988 A 20070405; EP 07754843 A 20070405; NO 20084324 A 20081015