

Title (en)  
PHYSICALLY-BASED, GEOGRAPHICAL, OIL, GAS, WATER, AND OTHER FLUIDS ANALYSIS SYSTEMS, APPARATUS, AND METHODS

Title (de)  
SYSTEM, VORRICHTUNG UND VERFAHREN ZUR PHYSIKALISCHEN, GEOGRAFISCHEN ANALYSE VON ÖL, GAS, WASSER UND ANDEREN FLUIDEN

Title (fr)  
SYSTÈMES, APPAREIL ET PROCÉDÉS D'ANALYSE GÉOGRAPHIQUE BASÉE SUR LA PHYSIQUE DE PÉTROLE, DE GAZ, D'EAU ET D'AUTRES FLUIDES

Publication  
**EP 3161576 A4 20180425 (EN)**

Application  
**EP 15789891 A 20150506**

Priority  
• US 201461989268 P 20140506  
• US 2015029513 W 20150506

Abstract (en)  
[origin: WO2015171799A1] Systems, apparatus, and methods for geographically analyzing physically-based, probabilistic, oil, gas, water, etc. data. Systems of some embodiments comprise interfaces, memories, displays, and processors. The processors perform methods further comprising accessing a plurality of physically-based, probabilistic well models and corresponding well locations. The methods further comprise determining from the models corresponding quantities associated with the wells and probabilities associated with the quantities. Furthermore, the methods further comprise displaying the quantities and probabilities juxtaposed against one another. In some embodiments, the methods further comprise accepting the map from a geographic information system and/or displaying a pipeline on the map. Note that the quantities can be cumulative production forecasts and/or dispersions between upper and lower production forecasts. If desired, the methods further comprise aggregating the quantities juxtaposed with the probabilities before the displaying. Moreover, the data can be spatially filtered determine correlations between the well locations and the probabilistic quantities.

IPC 8 full level  
**G06E 1/00** (2006.01); **E21B 41/00** (2006.01); **E21B 43/00** (2006.01)

CPC (source: EP US)  
**E21B 41/00** (2013.01 - EP US); **E21B 43/00** (2013.01 - EP)

Citation (search report)  
• [X] M MELEK TONGA: "UNCERTAINTY EVALUATION THROUGH RANKING OF SIMULATION MODELS FOR BOZOVA OIL FIELD", 1 May 2011 (2011-05-01), XP055459907, Retrieved from the Internet <URL:https://etd.lib.metu.edu.tr/upload/12613243/index.pdf> [retrieved on 20180315]  
• See references of WO 2015171799A1

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

DOCDB simple family (publication)  
**WO 2015171799 A1 20151112**; EP 3161576 A1 20170503; EP 3161576 A4 20180425

DOCDB simple family (application)  
**US 2015029513 W 20150506**; EP 15789891 A 20150506