Title (en)

TWO-WAY WAVE EQUATION TARGETED DATA SELECTION FOR IMPROVED IMAGING OF PROSPECTS AMONG COMPLEX GEOLOGIC STRUCTURES

Title (de)

GEZIELTE DATENAUSWAHL ÜBER EINE BIDIREKTIONALE WELLENGLEICHUNG ZUR VERBESSERTEN PROSPEKTIONSBILDERZEUGUNG KOMPLEXER GEOLOGISCHER STRUKTUREN

Title (fr)

SÉLECTION DE DONNÉES CIBLÉES D'UNE ÉQUATION D'ONDE À DEUX SENS DESTINÉE À L'IMAGERIE AMÉLIORÉE DE PROSPECTIONS PARMI DES STRUCTURES GÉOLOGIQUES COMPLEXES

Publication

EP 2715403 A4 20150128 (EN)

Application

EP 12793546 A 20120529

Priority

- US 201161491034 P 20110527
- US 2012039863 W 20120529

Abstract (en)

[origin: WO2012166733A1] The invention relates to seismic imaging where complex geologies are likely to create data that is confusing or ambiguous for a conventional matrix of source points and receiver locations. With some understanding of the geological substructure, the source points and receiver locations that optimize the imaging may be found by using two-way wave equation propagation coupled with a quality geologic model. With this, the source points and receiver locations that optimize the imaging may be selected and used to better resolve the substructure and avoid the inclusion of data that obscures understanding of the substructure.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- See references of WO 2012166733A1

Designated contracting state (EPC)

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