

Title (en)

METHOD AND APPARATUS FOR SEA CURRENT AIDED, ENHANCED AZIMUTH SEISMIC DATA ACQUISITION

Title (de)

VERFAHREN UND VORRICHTUNG FÜR MEERESSTRÖMUNGSUNTERSTÜTZTE VERBESSERTE SEISMISCHE AZIMUTDATENERFASSUNG

Title (fr)

PROCÉDÉ ET APPAREIL POUR ACQUISITION DE DONNÉES SISMQUES D'AZIMUT AMÉLIORÉ, ASSISTÉE PAR COURANT MARIN

Publication

**EP 2788793 A4 20150916 (EN)**

Application

**EP 13788421 A 20130507**

Priority

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Abstract (en)

[origin: WO2013169117A1] A system of designing and acquiring 3D marine seismic surveys such that the prevailing sea current is parallel or orthogonal to a major axis of the area to be surveyed. By steering the vessel and towed seismic source and receiver arrays through the water, heading into the sea current at some significant angle away from the sea current direction, then the resultant movement of the seismic source and receiver arrays will result in a much richer sampling and measurement of the earth's sub-surface by virtue of increasing the range of source-to-receiver azimuths available. By adopting this method, the final 3D seismic image of the subsurface will be more accurate and will be correctly focussed. Also line change times may be reduced significantly and the overall carbon footprint of the seismic survey may be lessened.

IPC 8 full level

**G01V 1/38** (2006.01)

CPC (source: EP)

**G01V 1/3808** (2013.01)

Citation (search report)

- [I] US 2009262601 A1 20091022 - HILLESUND OYVIND [NO], et al
- [I] US 3953827 A 19760427 - LE MOAL ROBERT, et al
- [I] US 4033278 A 19770705 - WATERS KENNETH H
- [I] GB 2431237 A 20070418 - STATOIL ASA [NO]
- [A] US 6285956 B1 20010904 - BENNETT COLIN [US], et al
- [A] US 2012069702 A1 20120322 - MUYZERT EVERHARD [GB], et al
- [A] THORBJORN REKDAL ET AL: "Recent advances in marine seismic acquisition and processing technology | CSEG Recorder Online", RECORDER, March 2006 (2006-03-01), XP055206641, Retrieved from the Internet <URL:http://csegrecorder.com/articles/view/recent-advances-in-marine-seismic-acquisition-and-processing-technology> [retrieved on 20150806]
- See references of WO 2013169117A1

Designated contracting state (EPC)

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