

Title (en)

METHOD AND SYSTEM FOR FIELD PLANNING

Title (de)

VERFAHREN UND SYSTEM ZUR FELDPLANUNG

Title (fr)

PROCÉDÉ ET SYSTÈME DE PLANIFICATION DE CHAMP

Publication

EP 2678524 A4 20170426 (EN)

Application

EP 11859164 A 20111102

Priority

- US 201161444916 P 20110221
- US 2011058984 W 20111102

Abstract (en)

[origin: WO2012115690A1] A method is presented for field planning. The method includes obtaining a shared earth model comprising the hydrocarbon field. The hydrocarbon field comprises an area of ground surface and a reservoir disposed beneath the area of ground surface. The method also includes obtaining a plurality of targets for the reservoir. Additionally, the method includes specifying one or more field planning parameters for accessing the plurality of targets from the surface. The method further includes determining a plurality of well site locations for an entirety of the hydrocarbon field using constraint optimization. The number of well site locations is minimized. The number of the plurality of targets accessible from the plurality of well site locations is maximized.

IPC 8 full level

E21B 43/30 (2006.01)

CPC (source: EP US)

E21B 43/30 (2013.01 - US); **E21B 43/305** (2013.01 - EP US)

Citation (search report)

- [X] US 2009056935 A1 20090305 - PRANGE MICHAEL DAVID [US], et al
- [X] US 2004153299 A1 20040805 - COLVIN RICHARD DANIEL [US], et al
- [X] W.S. WATSON ET AL: "PLATLOC: A Program for Optimizing Offshore Platform Locations", PETROLEUM COMPUTER CONFERENCE, 1 January 1989 (1989-01-01), XP055142427, DOI: 10.2118/19126-MS
- [X] SEVGI DOGRU: "Selection of Optimal Platform Locations", SPE DRILLING ENGINEERING, vol. 2, no. 04, 1 December 1987 (1987-12-01), pages 382 - 386, XP055142424, ISSN: 0885-9744, DOI: 10.2118/10754-PA
- See references of WO 2012115690A1

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DOCDB simple family (publication)

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DOCDB simple family (application)

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