

Title (en)

Method and apparatus for configuring oil and/or gas producing system

Title (de)

Verfahren und Vorrichtung zur Konfiguration eines Öl- und/oder Gasbeförderungssystems

Title (fr)

Procédé et appareil de configuration d'un système de production de pétrole et/ou de gaz

Publication

EP 2161406 A1 20100310 (EN)

Application

EP 08252920 A 20080903

Priority

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Abstract (en)

Embodiments of the invention identify a plurality of operating points for oil and/or gas producing systems, each operating point being characterised by a set of operating parameters which can be used to control components of the actual oil and/or gas producing system. These generated operating points are preferably collectively presented in a graphical manner to an operator of the oil and/or gas producing system, who can systematically configure the components of the oil and/or gas producing system to move, in an informed manner, through a path of operating points in order to reach what appears from the generated operating point data to be an optimal operating region.

IPC 8 full level

E21B 41/00 (2006.01); **E21B 43/00** (2006.01)

CPC (source: EP)

E21B 43/00 (2013.01)

Citation (applicant)

- WO 2004046503 A1 20040603 - SCHLUMBERGER SURENCO SA [PA], et al
- WO 2004046593 A1 20040603 - DELAVAN LTD [GB], et al

Citation (search report)

- [DA] WO 2004046503 A1 20040603 - SCHLUMBERGER SURENCO SA [PA], et al
- [A] WO 0218744 A2 20020307 - SCHLUMBERGER SERVICES PETROL [FR], et al
- [A] WO 02086277 A2 20021031 - EXXONMOBIL UPSTREAM RES CO [US]
- [X] TAPABRATA RAY AND RUHUL SARKER: "Optimum oil production planning using an evolutionary approach", STUDIES IN COMPUTATIONAL INTELLIGENCE, no. 49, 25 April 2007 (2007-04-25), Springer Berlin/Heidelberg, pages 273 - 292, XP002508473, ISSN: 1860-949X, ISBN: 978-3-540-48582-7, Retrieved from the Internet <URL:http://www.springerlink.com/content/32t5125456461425/> [retrieved on 20081216]
- [X] RALF SCHULZE-RIEGERT, MARKUS KROSCHE, ABUL FAHIMUDDIN AND SHAWKET GHEDAN: "Multiobjective optimization with application to model validation and uncertainty quantification", SOCIETY OF PETROLEUM ENGINEERS, no. 105313, 11 March 2007 (2007-03-11) - 14 March 2007 (2007-03-14), Abu Dhabi, pages 1 - 7, XP002508474

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Designated extension state (EPC)

AL BA MK RS

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