

Title (en)
VARIABLE FLOW RESISTANCE FOR USE WITH A SUBTERRANEAN WELL

Title (de)
VARIABLER STRÖMUNGSWIDERSTAND ZUR VERWENDUNG BEI EINER UNTERIRDISCHEN BOHRUNG

Title (fr)
SYSTÈME DE RÉSISTANCE VARIABLE À L'ÉCOULEMENT À METTRE EN UVRE DANS UN Puits SOUTERRAIN

Publication
EP 2776660 A4 20160106 (EN)

Application
EP 11875323 A 20111107

Priority
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Abstract (en)
[origin: WO2013070181A1] A variable flow resistance system for use with a subterranean well can include a structure which displaces in response to a flow of a fluid composition, whereby a resistance to the flow of the fluid composition changes in response to a change in a ratio of desired to undesired fluid in the fluid composition. Another system can include a structure which rotates in response to flow of a fluid composition, and a fluid switch which deflects the fluid composition relative to at least two flow paths. A method of variably resisting flow in a subterranean well can include a structure displacing in response to a flow of a fluid composition, and a resistance to the flow of the fluid composition changing in response to a ratio of desired to undesired fluid in the fluid composition changing. Swellable materials and airfoils may be used in variable flow resistance systems.

IPC 8 full level
E21B 43/12 (2006.01); **E21B 34/06** (2006.01)

CPC (source: EP)
E21B 43/12 (2013.01); **E21B 43/32** (2013.01)

Citation (search report)

- [X] WO 2010087719 A1 20100805 - STATOIL ASA [NO], et al
- [X] EP 2383430 A2 20111102 - HALLIBURTON ENERGY SERV INC [US]
- See references of WO 2013070181A1

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