

Title (en)
DOWNHOLE FLUID FLOW CONTROL SYSTEM AND METHOD HAVING DYNAMIC RESPONSE TO LOCAL WELL CONDITIONS

Title (de)
FLUSSESTEUERSYSTEM FÜR BOHRLOCHFLÜSSIGKEIT UND VERFAHREN MIT DYNAMISCHER REAKTION AUF LOKALE BOHRLOCHBEDINGUNGEN

Title (fr)
SYSTÈME ET PROCÉDÉ DE RÉGULATION DE FLUIDE POUR FOND DE Puits À RÉACTION DYNAMIQUE AUX CONDITIONS DE Puits LOCALES

Publication
EP 2751377 A4 20160413 (EN)

Application
EP 11871579 A 20110829

Priority
US 2011049527 W 20110829

Abstract (en)
[origin: WO2013032433A1] A downhole fluid flow control system having dynamic response to local well conditions. The system includes a tubing string operably positionable in a wellbore. Annular barriers are positioned between the tubing string and the wellbore to isolate first and second zones. A fluid flow control device is positioned within each zone. A flow tube that is operably associated with the fluid flow control device of the first zone is operable to establish communication between the second zone and the fluid flow control device in the first zone such that a differential pressure between the first zone and the second zone is operable to actuate the fluid flow control device of the first zone from a first operating configuration to a second operating configuration.

IPC 8 full level
E21B 21/08 (2006.01); **E21B 34/08** (2006.01); **E21B 43/12** (2006.01); **E21B 43/14** (2006.01); **E21B 43/26** (2006.01)

CPC (source: EP US)
E21B 34/08 (2013.01 - EP); **E21B 43/12** (2013.01 - EP); **E21B 43/14** (2013.01 - EP); **E21B 43/27** (2020.05 - EP US)

Citation (search report)

- [X] US 2006162935 A1 20060727 - MACDOUGALL THOMAS D [US]
- [A] US 2006124310 A1 20060615 - LOPEZ DE CARDENAS JORGE [US], et al
- [A] WO 9610123 A1 19960404 - PETROLEUM ENG SERVICES [US]
- [A] US 2011079398 A1 20110407 - PATEL DINESH R [US], et al
- [A] US 2010038093 A1 20100218 - PATEL DINESH R [US]
- [A] WO 2009149031 A2 20091210 - BAKER HUGHES INC [US], et al
- See references of WO 2013032433A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2013032433 A1 20130307; AU 2011375763 A1 20131128; AU 2011375763 B2 20150625; BR 112013032877 A2 20170124; BR 112013032877 B1 20201027; CA 2838164 A1 20130307; CA 2838164 C 20170328; CN 103688013 A 20140326; EP 2751377 A1 20140709; EP 2751377 A4 20160413; EP 2751377 B1 20171018; SG 194941 A1 20131230

DOCDB simple family (application)
US 2011049527 W 20110829; AU 2011375763 A 20110829; BR 112013032877 A 20110829; CA 2838164 A 20110829; CN 201180072462 A 20110829; EP 11871579 A 20110829; SG 2013084108 A 20110829