(12) UK Patent Application (19) GB (11) 2 424 238

(43) Date of Printing by UK Office

20.09.2006

(21) Application No:

0610646.2

(22) Date of Filing:

26.10.2004

(30) Priority Data:

(31) 60516882

(32) 03.11.2003

(33) US

(86) International Application Data: PCT/US2004/035758 En 26.10.2004

(87) International Publication Data:

WO2005/045191 En 19.05.2005

(71) Applicant(s):

Baker Hughes Incorporated (Incorporated in USA - Delaware) Suite 1200, 3900 Essex Lane, Houston, Texas 77027, United States of America

(continued on next page)

(51) INT CL:

E21B 43/12 (2006.01)

E21B 34/10 (2006.01)

E21B 34/12 (2006.01)

(52) UK CL (Edition X): E1F FLG FLH FLJ

(56) Documents Cited by ISA:

US 6378612 B1 US 6325143 A

US 6334486 B1 US 5109925 A

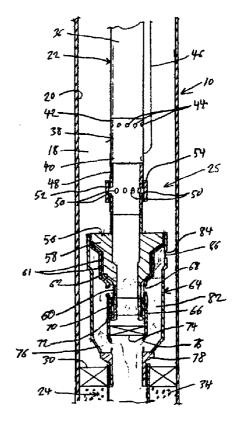
US 4453599 A

(58) Field of Search by ISA:

INT CL F21B

Other: Online: EPODOC, WPI

- (54) Abstract Title: Interventionless reservoir control systems
- (57) Systems and methods for positively closing off a section of wellbore and, thereby providing reservoir control. Systems and methods are described for selectively closing off a section of a wellbore to fluid communication. The wellbore completion section may then be reopened to fluid communication upon reconnection of the upper completion section to the lower completion section. Advantageously, the systems and methods of the present invention generally preclude fluid communication between the annulus of the upper completion section and the flowbore of the lower completion section until the lower completion section is closed off to fluid flow.



GB 2424238 A continuation

(72) Inventor(s):

Raymond D Chavers Graeme J Walker John M Cobb Alfredo Gomez

(74) Agent and/or Address for Service: Frank B Dehn & Co. St. Bride's House, 10 Salisbury Square, LONDON, EC4Y 8JD, United Kingdom