

(12) **UK Patent Application** (19) **GB** (11) **2 393 989** (13) **A**

(43) Date of Printing by UK Office **14.04.2004**

(21) Application No: **0325299.6**  
(22) Date of Filing: **17.03.2003**  
(30) Priority Data:  
(31) **0206227** (32) **16.03.2002** (33) **GB**  
(86) International Application Data:  
**PCT/GB2003/001103 En 17.03.2003**  
(87) International Publication Data:  
**WO2003/078790 En 25.09.2003**

(51) INT CL<sup>7</sup>:  
**E21B 43/10 7/20 10/32**  
(52) UK CL (Edition W ):  
**E1F FCM FJT FLA**  
(56) Documents Cited by ISA:  
**GB 2348223 A** **WO 2000/037766 A**  
**US 5803666 A** **US 4620600 A**  
**US 4083405 A** **US 3934660 A**  
**US 3102599 A** **US 1981525 A**  
(58) Field of Search by ISA:  
INT CL<sup>7</sup> **E21B**  
Other: **EPO-Internal, TULSA**

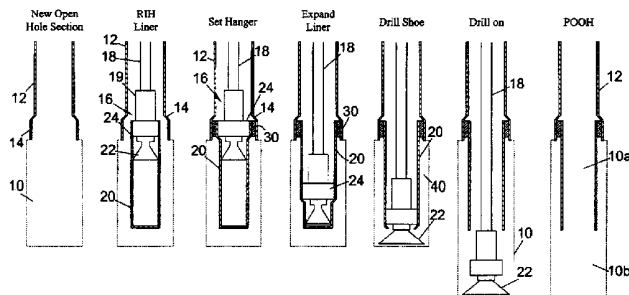
(71) Applicant(s):  
**Weatherford/Lamb Inc.**  
**(Incorporated in USA - Delaware)**  
**515 Post Oak Boulevard, Suite 600,**  
**Houston, Texas 77027,**  
**United States of America**

(72) Inventor(s):  
**Neil Andrew Abercrombie Simpson**  
**Simon John Harrall**

(continued on next page)

(54) Abstract Title: **Lining and drilling a wellbore with an expandable bit**

(57) A method of lining and drilling a bore (10) comprising mounting a first section of bore-lining tubing (20) on the lower end portion of a drill string (18); running the drill string and tubing into a bore having an unlined section and an existing tubing lined section; locating the first tubing section (20) in the unlined section; uncoupling the first tubing section (20) from the drill string (18); and drilling the bore beyond the first tubing section. The bore-lining tubing (20) may include an hanger section overlapping the existing tubing and may be expanded.



**GB 2 393 989 A**