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(71) Applicant: **Halliburton Energy Services, Inc.**
Dallas, Texas 75381-9052 (US)

(72) Inventors:
• **Dickson, Rennie L.**
Carrollton, Texas 75007 (US)

• **Reesing, David L.**
Irving, Texas 75060 (US)
• **Vinzant, Michael B.**
Carrollton, Texas 75006 (US)

(74) Representative: **Wain, Christopher Paul et al**
A.A. Thornton & Co.
235 High Holborn
London WC1V 7LE (GB)

(54) **Up-to-set lock mandrel and method of operation thereof**

(57) An up-to-set lock mandrel (10) for registering with a locating profile (14) recessed in a sidewall (16) of a well conduit portion (12). The up-to-set lock mandrel (10) comprises a generally cylindrical body (20) and a locating key (22) coupled to the body (20) and biased to be urged from a seeking position toward a no-go position. The locating key (22) has a no-go profile (26) thereon contoured to engage the locating profile (14) when the locating key (22) is in the no-go position, to thereby function as a no-go for the up-to-set lock mandrel (10).

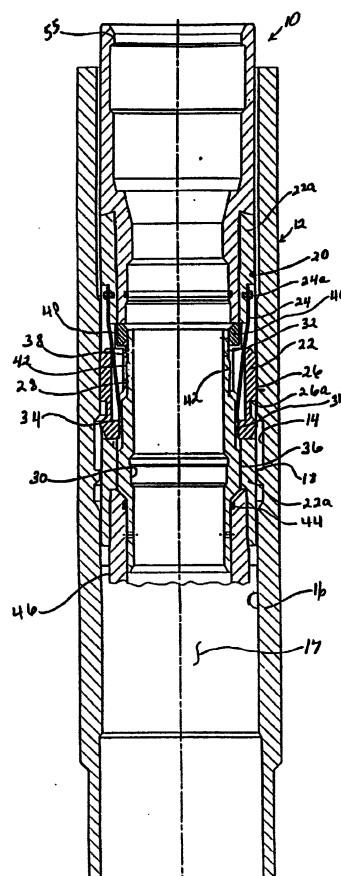


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 97 30 3345

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	US 3 593 784 A (BROWN CICERO C ET AL) 20 July 1971 (1971-07-20) * column 3, line 41 - column 4, line 10; claim 1; figures 1,2 *	1-10	E21B23/02
X	US 3 670 815 A (BROWN CICERO C) 20 June 1972 (1972-06-20) * column 2, line 40 - line 43 * * column 3, line 42 - line 75; figures 1-3 *	1-3,5-10	
A	EP 0 701 042 A (HALLIBURTON CO) 13 March 1996 (1996-03-13) * column 18, line 53 - column 19, line 12 * * column 19, line 42 - line 55; claim 7; figures 2A,2B *	1,5,8	
A	US 4 896 721 A (WELCH WILLIAM R) 30 January 1990 (1990-01-30) * column 1, line 39 - line 48; figure 1 *	1,5,8	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
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Place of search MUNICH		Date of completion of the search 8 June 2000	Examiner Bellingacci, F
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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