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(54)Downhole tool

(57)A method of locating a tubing string in a bore, the method comprising the steps: providing a device defining a restriction-engaging member; locating the device on the lower end of a tubing string; and then running the tubing string into the bore until the member engages a restriction in the bore and the device and the tubing is prevented from advancing further by the restriction. The member is then re-configured to permit further advancement of the device and tubing relative to the restriction and the device and tubing moved a predetermined distance relative to the restriction to position the tubing at a desired location in the bore.

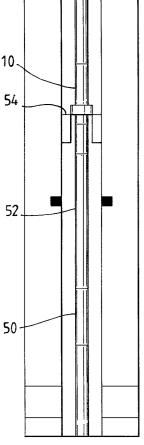
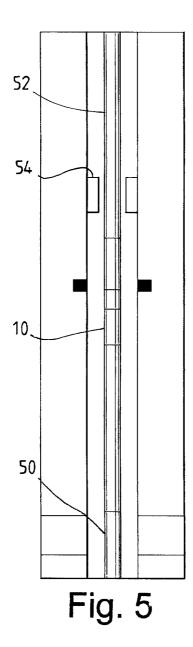


Fig. 4





EUROPEAN SEARCH REPORT

Application Number EP 01 30 9150

		ERED TO BE RELEVANT	Relevant	CI ACCIDINATION OF THE
Category	Of relevant pass	dication, where appropriate, ages	to claim	CLASSIFICATION OF THE APPLICATION (Int.C1.7)
X	INC) 9 June 1999 (1	6 - column 15, line 8 *	1,4-6	E21B47/09 E21B23/00 E21B43/10
X	US 4 664 187 A (WEI 12 May 1987 (1987-0 * column 4, line 61 * figures 1B,1C,2B,	5-12) - column 5, line 18 *	1,4,6	
X	US 5 269 374 A (TAY 14 December 1993 (1 * claim 1 * * figure 1 *		12,13	
				TECHNICAL FIELDS SEARCHED (Int.Cl.7)
				E21B
	The present search report has t	peen drawn up for all claims Date of completion of the search		Examiner
	THE HAGUE	2 December 2002	Sch	outen, A
X : parti Y : parti docu A : tech O : non	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with another iment of the same category nological background -written disclosure mediate document	T theory or principle E : earlier patent doc after the filing date D : document cited in L : document cited fo & : member of the sa document	cument, but publice the application or the reasons	ished on, or

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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 01 30 9150

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

02-12-2002

Patent document cited in search report			Publication date		Patent family member(s)	Publication date
EP	0921267	А	09-06-1999	US BR EP NO US	6044909 A 9805659 A 0921267 A2 985498 A 6230806 B1	04-04-2000 18-01-2000 09-06-1999 07-06-1999 15-05-2001
US	4664187	A	12-05-1987	NONE	AMMEN (SING)	he tiddir callar callar fallis, debis, debis, mirri sheki sanar jamen zasar versar emper vijeri
	5269374	A	14-12-1993	NONE	- AND COME THE COME THE COME COME COME COME COME COME COME COM	

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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