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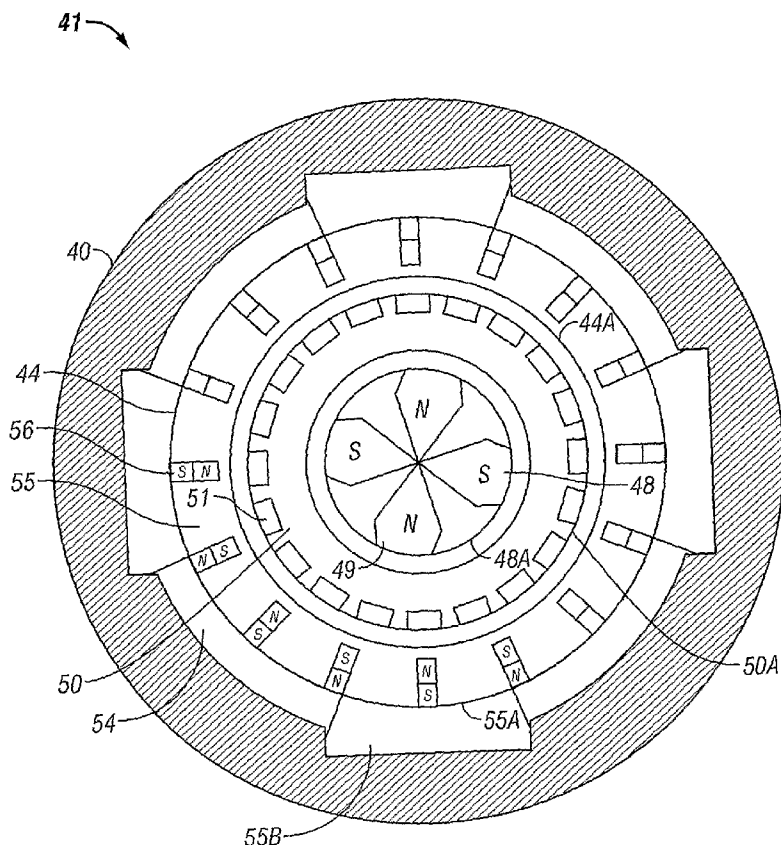
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[Continued on next page]

(54) Title: WELLBORE MOTOR HAVING MAGNETIC GEAR DRIVE

(57) Abstract: A wellbore motor includes a source of rotational motive power disposed in a wellbore, a magnetic gear member operatively coupled at an input thereof to the source; and a magnetic gear member output coupled rotationally to a rotary wellbore tool.



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FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT,
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GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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 IPC: E21B 4/02(2006.01),4/04(2006.01),7/04(2006.01),41/00(2006.01);F04B 17/00(2006.01)

USPC: 166/66.4,66.5,66.6,316,330,105;175/104,106,73,328;417/420
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 166/66.4,66.5,66.6,316,330,105; 175/104,106,73,328; 417/420

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 EAST: magnet, magnetic, electromagnet, electromagnetic, gear, motor


C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,554,074 B2 (LONGBOTTOM) 29 April 2003 (29.04.2003), Figures 2-4, columns 6-7.	50, 51, 70
X	US 4,732,225 A (JURGENS et al) 22 March 1988 (22.03.1988), Figure 1, columns 1-2.	50-52
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Y		53, 56-69
Y	ATALIAH, K. et al, "Design, analysis and realisation of a high-performance magnetic gear", IEE Proc. Elec. Power Appl. Vol. 151, No. 2, March 2004.	53, 56-69
Y	RASMUSSEN, P.O. et al, "Development of a High Performance Magnetic Gear", IEEE Transactions, 2003, pages 1696-1702.	53, 56-69
X	US 2003/0132003 A1 (ARAUZ et al) 17 July 2003 (17.07.2003), Figures 1-4, paragraphs 0020-0032.	1-5, 32, 33
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Y		1-5,10-13,22,24-26,32-37,46-49

Further documents are listed in the continuation of Box C. See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,672,409 B1 (DOCK et al) 06 January 2004 (06.01.2004), Figures 1-4, columns 4-6.	1,4,6-10,14,15,22,24
Y	US 6,289,986 B1 (WRIGHT et al) 18 September 2001 (18.09.2001), Figures 1, 7, and 8, columns 8-9.	1-5,10-13,22,24-26,32-37,46-49
Y	US 6,257,355 B1 (BAKER) 10 July 2001 (10.07.2001), column 3, lines 35-38.	13, 37