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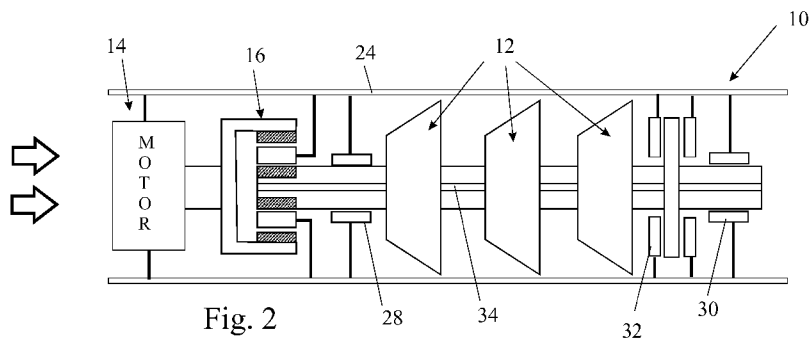


Fig. 2

(57) Abstract: A magnetic change speed gearbox 16 is described for use in a downhole assemblies having a higher speed shaft supported by a gas bearing. The downhole assembly may be one comprising a motor 14 driving a compressor 12 by way of a step-up magnetic gearbox 16 or one comprising a gas turbine driving a pump by way of a step-down magnetic gearbox.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
 H02K E21B F04D

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)
 EPO-Internal , WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 2004/051413 A1 (LI RAN ABRAHAM [US]) 18 March 2004 (2004-03-18) figure 1 paragraphs [0006] , [0007] paragraphs [0016] , [0019] -----	1, 2
Y	W0 2007/064591 A2 (DEXTER MAGNETIC TECHNOLOGIES I [US]) 7 June 2007 (2007-06-07) abstract paragraphs [0003], [0013], [0021] paragraphs [0024], [0025], [0031] paragraph [0045] claims c32, c33 figures 2, 6 ----- - / - -	3-6, 9-12

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

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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Maas, Erik
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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.
Y	GB 2 384 274 A (CORAC GROUP PLC [GB]) 23 July 2003 (2003-07- -23) abstract figure 1 page 1, line 3 - line 6 page 2, line 4 - line 9 page 3, line 1 - line 6 page 6, line 4 - line 10 claims 1, 3	3-6,9-12
A	----- US 2003/132003 AI (ARAUZ GRIGORY L [US] ET AL ARAUX GRIGORY L [US] ET AL) 17 July 2003 (2003-07-17) abstract paragraphs [0003] , [0020] paragraphs [0021] , [0024] paragraph [0048] claims 1, 13 -----	3-6,9-12

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Information on patent family members

International application No PCT/IB2012/051568

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