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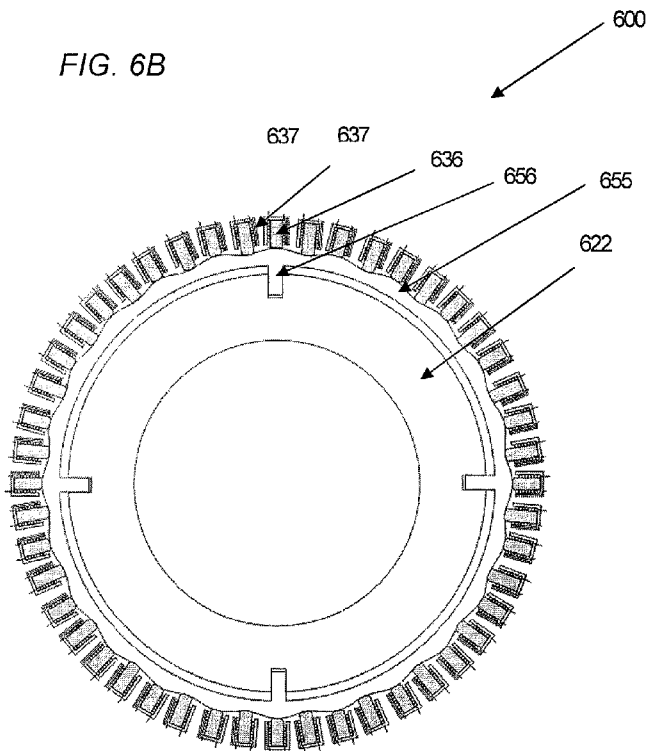
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[Continued on next page]

(54) Title: MAGNETOSTRICTIVE POWER SUPPLY FOR BOTTOM HOLE ASSEMBLY WITH ROTATION-RESISTANT HOUSING

FIG. 6B



(57) Abstract: A power supply includes a rotor having an undulated surface (658, 858, 958, 10, 58) and a magnetostrictive material disposed adjacent to the undulated surface. The undulated surface alternately compresses the magnetostrictive material as the rotor rotates, inducing an electric current in a conductor coupled to the magnetostrictive material.

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A. CLASSIFICATION OF SUBJECT MATTER
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ADD.
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols)
E21B G01V H02K G11B
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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A	US 2008/099245 A1 (HALL DAVID R [US] ET AL) 1 May 2008 (2008-05-01) figure 9 the whole document	1,14,20
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A	US 2007/229232 A1 (HALL DAVID R [US] ET AL) 4 October 2007 (2007-10-04) paragraphs [0029], [0030]	1,14,20
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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 van Berlo, André
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INTERNATIONAL SEARCH REPORT

International application No
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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