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- (72) Inventor; and
- (71) Applicant : IONESCU, Dumitru [RO/RO]; B-dul Republicii nr.39, bl.R, et.1, ap.5, Oltenita, R-915400 Judet Calarasi (RO).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ,

LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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(54) Title: THE DIRECTION ACCELERATION PRINCIPLE, THE DIRECTION ACCELERATION DEVICES AND THE DIRECTION ACCELERATION SYSTEMS

$$[\omega_1 \parallel (-\omega_2)] \perp \omega_0 \quad (I)$$

$$\omega_0 \perp \omega_1, \omega_0 \perp \omega_2, \quad (II)$$

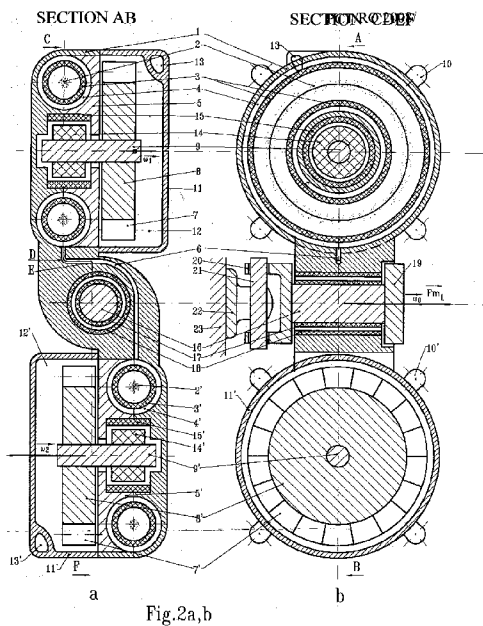


Fig.2a,b

(57) Abstract: The invention refers to raise theoretical some complex movements which generated well determined direction and sense accelerations, resulting an acceleration direction principle, and on the base of the principle it describes an acceleration direction device and with the help of many of these devices, it can conceive devices systems with direction acceleration. The actual theoretical physics on the base of relativity theory studies space, time and body mass in movement in physical inertness systems, without accelerate movement. The direction acceleration principle results from an acceleration general movement of a body and the analyse was extended to two or more bodies with synchronical movement. The terrestrial, naval and aerospace will be the areas with maximal practicability. On the base of the theoretical principle from the present invention, it can conceive many constructive solutions, but I opt for the constructive solution from Fig. 2 a, b which has to the base the theoretical principle from Fig. If where Formule (I). This device is compound from body 1 where are assembly two atomic reactors RA and RA' with identical parameters. In the reactor RA, the toroidal plasm 2, the working fluid from the cooler instalation 4, turbine 8 and current generator is spinning all of them in the same sense but to simplifying the draw i figured only the angular speed ω_1 . The reactor RA' is identical with the other reactor and for all the elements in rotation enumerate subsequent i figured only the angular speed ω_2 equal, parallel and contrary with angular speed ω_1 . For all these mass founded in own rotation with angular speeds ω_1 or ω_2 to produce mass effects all this device is spinning with angular speed ω_0 perpendicular on these two vectors i mean Formule (II) Term of applications can be used a single direction acceleration device or more devices resulting direction acceleration devices systems. In Fig. 3 to a airship is applied a system with three identical devices disposed in the corner of the echilateral triangle which developed the draught force necessary to the flight and a fourth device who produce gravitational local effects upon the men who are inside the ship, for them the subdued acceleration to be maintain to a comfortable level.

WO 2009/102227 A3

INTERNATIONAL SEARCH REPORT

International application No

PCT/RO2008/000002

A. CLASSIFICATION OF SUBJECT MATTER

INV. F03H99/00 B64C11/46 B64G1/40

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)

F03H B64C B64G

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 practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 509 899 A (FREDERICK LARRY J [US]) 9 April 1985 (1985-04-09) abstract; figure 7 column 6	1
X	US 2004/240998 A1 (ASHWORTH ERIC [CA]) 2 December 2004 (2004-12-02) abstract; figure 1	1
X	US 6 279 314 B1 (VALENTIAN DOMINIQUE [FR] ET AL) 28 August 2001 (2001-08-28) abstract column 7, lines 1-23; figures 5,6,6A	4
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 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

10 November 2008

Date of mailing of the international search report

18/11/2008

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

Loiseleur, Pierre

INTERNATIONAL SEARCH REPORT

International application No

PCT/R02008/000002

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GORELENKOV N N ET AL: "Toroidal plasma thruster for deep space flights" AIAA JOURNAL AIAA USA, vol. 41, no. 5, May 2003 (2003-05), pages 774-784, XP008098164 ISSN: 0001-1452 the whole document	2
T	HALL T W: "ARTIFICIAL GRAVITY AND THE ARCHITECTURE OF ORBITAL HABITATS" JOURNAL OF THE BRITISH INTERPLANETARY SOCIETY, BRITISH INTERPLANETARY SOCIETY, LONDON, GB, vol. 52, no. 7/08, 1 July 1999 (1999-07-01), pages 290-300, XP000828681 ISSN: 0007-084X	1,2,4
A	WO 2007/084092 A (LYKHOVYD YURIY MAKAROVYCH [UA]; SKAMBRYCHIY VOLODIMIR VIKTOROV [UA]; L) 26 July 2007 (2007-07-26) abstract; figures 1-8	1
A	RU 2 120 061 C1 (LAPTEV IL JA IVANOVICH) 10 October 1998 (1998-10-10) abstract; figures 1-3	1,2

INTERNATIONAL SEARCH REPORT

International application No.
PCT/R02008/000002

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: 3
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.

2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.

3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 3

In claim 3, the features of devices generating a "rejection" mass force, and "obtaining mass effect different depending on the necessity including the creation of the artificial gravitational field in the system" does not appear to have any technical meaning.

Therefore, in application of Article 17(2) PCT, this Authority considers that the subject-matter of claim 3 fail to comply with the requirement of clarity prescribed by Article 6 PCT to such an extent that a meaningful search cannot be carried out for claim 3.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.2), should the problems which led to the Article 17(2)PCT declaration be overcome.

INTERNATIONAL SEARCH REPORT

Information on patent family members.

International application No PCT/R02008/000002

Patent document cited in search report	Publication date	Patent family member(s)	Publication date															
US 4509899	A	09-04-1985	NONE															
US 2004240998	A1	02-12-2004	NONE															
US 6279314	B1	28-08-2001	<table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">DE</td> <td style="width: 30%;">69934122 T2</td> <td style="width: 15%;">20-09-2007</td> </tr> <tr> <td>EP</td> <td>1101938 A1</td> <td>23-05-2001</td> </tr> <tr> <td>FR</td> <td>2788084 A1</td> <td>07-07-2000</td> </tr> <tr> <td>JP</td> <td>2000205115 A</td> <td>25-07-2000</td> </tr> <tr> <td>RU</td> <td>2227845 C2</td> <td>27-04-2004</td> </tr> </table>	DE	69934122 T2	20-09-2007	EP	1101938 A1	23-05-2001	FR	2788084 A1	07-07-2000	JP	2000205115 A	25-07-2000	RU	2227845 C2	27-04-2004
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RU 2120061	C1	10-10-1998	NONE															