

PATENT COOPERATION TREATY (PCT)

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The document is described as follows:

International application number:	PCT/HU2016/050023
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PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43*bis*.1)

To:

MAGAI, Istvan
Karinthy F. utca 5.
2051 Biatorbagy
Hungary

Date of mailing (<i>day/month/year</i>) 24 November 2016 (24.11.2016)		FOR FURTHER ACTION See paragraph 2 below	
Applicant's or agent's file reference decelchamber			
International application No. PCT/HU 2016/050023	International filing date (<i>day/month/year</i>) 21 June 2016 (21.06.2016)	Priority date (<i>day/month/year</i>) 22 June 2015 (22.06.2015)	
International Patent Classification (IPC) or both national classification and IPC B63H 11/103 (2006.01)			
Applicant MAGAI, Istvan			

1. This opinion contains indications relating to the following items:

- Box No. I Basis of the opinion
- Box No. II Priority
- Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Box No. IV Lack of unity of invention
- Box No. V Reasoned statement under Rule 43*bis*.1(a)(i) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement
- Box No. VI Certain documents cited
- Box No. VII Certain defects in the international application
- Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1*bis*(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA/RU: Federal Institute of Industrial Property, Berezhkovskaya nab., 30-1, Moscow, G-59, GSP-3, Russia, 125993 Facsimile No: (8-495) 531-63-18, (8-499) 243-33-37	Date of completion of this opinion 03 October 2016 (03.10.2016)	Authorized officer E. Kuzmina Telephone No. (495)531-64-81
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Box No. I Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of:
 - the international application in the language in which it was filed.
 - a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43*bis*.1(a))
3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing filed or furnished:
 - a. forming part of the international application as filed:
 - in the form of an Annex C/ST.25 text file.
 - on paper or in the form of an image file.
 - b. furnished together with the international application under PCT Rule 13*ter*.1(a) for the purposes of international search only in the form of an Annex C/ST.25 text file.
 - c. furnished subsequent to the international filing date for the purposes of international search only:
 - in the form of an Annex C/ST.25 text file (Rule 13*ter*.1(a)).
 - on paper or in the form of an image file (Rule 13*ter*.1(b) and Administrative Instructions, Section 713).
4. In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
5. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/HU 2016/050023

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-10	YES
	Claims		NO
Inventive step (IS)	Claims	1-10	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-10	YES
	Claims		NO

2. Citations and explanations:

D1: US 5438947 A.

D1 can be regarded as the closest prior art which discloses a water row decelerator chamber having a propulsion, a jet channel, a vortex chamber, wherein the jet channel connects the propulsion to the vortex chamber (col. 2 lines 49-68, col. 3 lines 1-68, fig. 1-3).

The invention of claim 1 differs from this known from D1 in that the vortex chamber has conical internal surface with the deflector in it and the normal of the deflector's surface and the axle of the jet channel define angle with less than 90°.

Therefore, the invention of independent claim 1 and dependent claims 2-10 meets the criterion of novelty.

The technical solution characterized by mentioned distinguishing features is not known from the prior art, and is not obvious for a skilled person for converting the water flow energy into useful energy for movement of the vessel.

Therefore, the invention of claims 1-10 meets the criterion of inventive step.

The invention of claims 1-10 meets the criterion of industrial applicability.