

**PATENT COOPERATION TREATY**

**PCT**

**INTERNATIONAL SEARCH REPORT**

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>18214.5a</b>	<b>FOR FURTHER ACTION</b>	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. <b>PCT/IB2016/000822</b>	International filing date ( <i>day/month/year</i> ) <b>01 June 2016</b>	(Earliest) Priority Date ( <i>day/month/year</i> ) <b>01 June 2015</b>
Applicant <b>CETAMAX VENTURES LTD.</b>		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out 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)).

b.  This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c.  With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2.  **Certain claims were found unsearchable** (see Box No. II).

3.  **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 1A

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b.  none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB2016/000822

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
B04C 3/00(2006.01)i; B04C 5/00(2006.01)i		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) B04C, C02F, B01D		
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) CNABS,CNKI,DWPI,SIPOABS:vortex, reactor, inlet, outlet, induction, induced, physical, chemical, fluid		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	TW 201501802 A (CAO, YANHUAN) 16 January 2015 (2015-01-16) description, paragraphs [0018] to [0028], figures 1 to 3	1-23, 25-70, 72-73
Y	TW 201501802 A (CAO, YANHUAN) 16 January 2015 (2015-01-16) description, paragraphs [0018] to [0028], figures 1 to 3	24
X	CN 101939087 A (PURAC BIOCHEM BV) 05 January 2011 (2011-01-05) description, paragraphs [0024] to [0037], figures 1 to 4	71
Y	CN 101939087 A (PURAC BIOCHEM BV) 05 January 2011 (2011-01-05) description, paragraphs [0024] to [0037], figures 1 to 4	24
X	CN 101965218 A (SORBWATER TECHNOLOGY AS) 02 February 2011 (2011-02-02) description, paragraphs [0081] to [0096], figures 1 to 8	1
X	CN 203173875 U (CHINA NAT OFFSHORE OIL CORP ETC.) 04 September 2013 (2013-09-04) description, paragraphs [0021] to [0025], figures 1 to 3	1
X	US 2008056961 A1 (MATVEEV IGOR) 06 March 2008 (2008-03-06) description, paragraphs [0029] to [0066], figures 1 to 9	1
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> 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 application or patent 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 <b>12 October 2016</b>		Date of mailing of the international search report <b>02 November 2016</b>
Name and mailing address of the ISA/CN <b>STATE INTELLECTUAL PROPERTY OFFICE OF THE P.R.CHINA 6, Xitucheng Rd., Jimen Bridge, Haidian District, Beijing 100088 China</b>		Authorized officer <b>GAO,Xiaoying</b>
Facsimile No. <b>(86-10)62019451</b>		Telephone No. <b>(86-10)62085364</b>

INTERNATIONAL SEARCH REPORT

International application No.

**PCT/IB2016/000822**

<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5024684 A (PYROPOWER CORP) 18 June 1991 (1991-06-18) the whole document	1-73
A	US 5466270 A (ABDELMALEK F T) 14 November 1995 (1995-11-14) the whole document	1-73

**INTERNATIONAL SEARCH REPORT**  
**Information on patent family members**

International application No.

**PCT/IB2016/000822**

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
TW	201501802	A	16 January 2015	None			
CN	101939087	A	05 January 2011	CN	101939087	B	22 January 2014
				JP	2011510813	A	07 April 2011
				EP	2252391	B1	22 May 2013
				WO	2009098274	A1	13 August 2009
				EP	2252391	A1	24 November 2010
				JP	5918294	B2	18 May 2016
				JP	2014128807	A	10 July 2014
				BR	PI0907475	A2	14 July 2015
				DK	2252391	T3	29 July 2013
CN	101965218	A	02 February 2011	WO	2009099336	A1	13 August 2009
				US	2010320154	A1	23 December 2010
				AU	2009210880	B2	21 February 2013
				GB	201013811	D0	29 September 2010
				RU	2505335	C2	27 January 2014
				RU	2010134017	A	10 March 2012
				CA	2713327	A1	13 August 2009
				US	9315394	B2	19 April 2016
				CN	101965218	B	25 March 2015
				MX	2010008225	A	28 September 2010
				BR	PI0906994	A2	07 July 2015
				GB	2469257	A	06 October 2010
				NO	329085	B1	16 August 2010
				GB	2469257	B	19 December 2012
				AU	2009210880	A1	13 August 2009
				NO	20080593	A	03 August 2009
CN	203173875	U	04 September 2013	None			
US	2008056961	A1	06 March 2008	US	7452513	B2	18 November 2008
				WO	2008029303	A2	13 March 2008
				WO	2008029303	A3	23 April 2009
				EP	2081674	A2	29 July 2009
US	5024684	A	18 June 1991	None			
US	5466270	A	14 November 1995	None			