

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference KX-05-151013	FOR FURTHER ACTION	See item 4 below
International application No. PCT/CN2015/095964	International filing date (<i>day/month/year</i>) 30 November 2015 (30.11.2015)	Priority date (<i>day/month/year</i>)
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237		
Applicant XING, Haoyu		

<p>1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).</p> <p>2. This REPORT consists of a total of 6 sheets, including this cover sheet.</p> <p>In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.</p>																								
<p>3. This report contains indications relating to the following items:</p> <table> <tr> <td><input checked="" type="checkbox"/></td> <td>Box No. I</td> <td>Basis of the report</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. II</td> <td>Priority</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. III</td> <td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. IV</td> <td>Lack of unity of invention</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Box No. V</td> <td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VI</td> <td>Certain documents cited</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Box No. VII</td> <td>Certain defects in the international application</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VIII</td> <td>Certain observations on the international application</td> </tr> </table> <p>4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).</p>	<input checked="" type="checkbox"/>	Box No. I	Basis of the report	<input type="checkbox"/>	Box No. II	Priority	<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/>	Box No. IV	Lack of unity of invention	<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input type="checkbox"/>	Box No. VI	Certain documents cited	<input checked="" type="checkbox"/>	Box No. VII	Certain defects in the international application	<input type="checkbox"/>	Box No. VIII	Certain observations on the international application
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<input type="checkbox"/>	Box No. VIII	Certain observations on the international application																						

	Date of issuance of this report 05 June 2018 (05.06.2018)
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From the INTERNATIONAL SEARCHING AUTHORITY

To:

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing (day/month/year) 17 August 2016	
Applicant's or agent's file reference KX-05-151013	FOR FURTHER ACTION See paragraph 2 below
International application No. PCT/CN2015/095964	International filing date (day/month/year) 30 November 2015
International Patent Classification (IPC) or both national classification and IPC B67D 1/08(2006.01)i; B67C 9/00(2006.01)i	
Applicant XING, Haoyu	

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 43bis.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 66.1bis(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/	Date of completion of this opinion	Authorized officer
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WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/CN2015/095964

Box No. I Basis of the 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 43bis.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. (means)
 - on paper
 - in electronic form
 - b. (time)
 - in the international application as filed
 - together with the international application in electronic form
 - subsequently to this Authority for the purposes of search
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.

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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	<u>6, 8, 9</u>	YES
	Claims	<u>1-5, 7</u>	NO
Inventive step (IS)	Claims	<u>None</u>	YES
	Claims	<u>1-9</u>	NO
Industrial applicability (IA)	Claims	<u>1-9</u>	YES
	Claims	<u>None</u>	NO
2. Citations and explanations :			
	[1]	D1: CN203877893U (NINGBO SKL INTERNATIONAL CO., LTD) 15 October 2014 (15.10.2014)	
	[2]	<p>D1 discloses a water taking tool, which comprises a pressing cap 1, a pressing cap seat 2, a main body housing 3, a main body housing seat 4, a locking screw cap 5, a locking sleeve 6, a sleeve ring 7, an air compressor 8, a first water suction pipe 11, a second water suction pipe 12 and the like. A spring is arranged in the air compressor 8, the pressing cap 1 is fixedly arranged on the top of the pressing cap seat 2, and the bottom of the pressing cap seat 2 abuts against the top of the air compressor 8. The main body housing 3 is fixed on the main body housing seat 4, and the pressing cap seat 2 and the air compressor 8 are contained in the main body housing 3. The locking sleeve 6 (equivalent to a fixing member) is provided with external threads and is fixedly arranged at the bottom of the main body housing seat 4, the locking screw cap 5 (equivalent to an adjusting member) is provided with internal threads matched with the external threads of the locking sleeve 6, so that the locking screw cap 5 and the locking sleeve 6 are in threaded fit and locked. The locking sleeve 6 is sleeved on the sleeve ring 7, and the sleeve ring 7 (equivalent to a water taking seal) is a rubber material (an elastic material capable of adapting to the barrel opening with different opening sizes). When a water pump is used, the opening of the pure water barrel is opened first, the first water suction pipe 11 and the second water suction pipe 12 are inserted into the barrel, and the sleeve ring 7 is just plugged in the barrel opening (equivalent to being sleeved on the barrel opening of the barreled water barrel), the locking screw cap 5 sleeves the outer contour of the opening of the pure water barrel, so that the main body housing seat 4 is fixedly arranged on the top of the pure water barrel. The sleeve ring 7 is a rubber material, and thus can seal the pure water barrel. It can be determined from figure 2 that: an adjustable gap is formed in the locking sleeve 6, and is perpendicular to the adjustable screw threads, at least two adjustable gaps are provided, and the locking screw cap 5 of the sleeve ring is of an annular structure. The sleeve ring 7 is conical, and the locking sleeve 6 matched therewith is also conical. (See description, detailed description of the preferred embodiments, and figure 2)</p>	
	[3]	Novelty:	
	[4]	1. Claim 1 sets forth a water taking device for a barreled water barrel. D1 discloses all of the technical features of claim 1, the technical solutions, the technical fields, the technical problems to be solve and the technical effects between the two are identical, and therefore, claim 1 is not novel in the sense of PCT Article 33(2).	
	[5]	2. The additional technical features of claims 2-5 and 7 are all disclosed by D1, and therefore, insofar as the claim to which they refer is not novel, claims 2-5 and 7 likewise are not novel in the sense of PCT Article 33(2);	
	[6]	3. The additional technical features of claims 6, 8 and 9 are not entirely disclosed or implicitly disclosed by D1, and therefore, claims 6, 8 and 9 likewise are novel in the sense of PCT Article 33(2);	
	[7]	Inventive step:	
	[8]	1. Since claims 1-5 are not novel, and thus, they likewise do not involve an inventive step in the sense of PCT Article 33(3).	
	[9]	2. Claim 6 refers to claim 5, and it is a conventional choice in the art to set the adjustable gaps on the adjustable screw threads at equal intervals, and thus, insofar as claim 5 to which it refers does not involve an inventive step, claim 6 likewise does not involve an inventive step in the sense of PCT Article 33(3).	

WRITTEN OPINION OF THE
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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**

[10] 3. The additional technical features of claims 8 and 9 are all conventional technical means for a person skilled in the art, and therefore, insofar as the claim to which they refer is not novel, claims 8 and 9 likewise do not involve an inventive step in the sense of PCT Article 33(3);

[11] Industrial Applicability:

[12] The technical solutions of claims 1-9 can be made or used in industry and thus, claims 1-9 are industrially applicable in the sense of PCT Article 33(4).

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/CN2015/095964**Box No. VII Certain defects in the international application**

The following defects in the form or contents of the international application have been noted:

- [1] The sentence that “the fixing member is fixedly connected to the water taking seal” in claim 4 does not make sense.