

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 1611138PCT	FOR FURTHER ACTION		See item 4 below
International application No. PCT/CN2016/096398	International filing date (<i>day/month/year</i>) 23 August 2016 (23.08.2016)	Priority date (<i>day/month/year</i>) 31 March 2016 (31.03.2016)	
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237			
Applicant LE HOLDINGS (BEIJING) CO., LTD.			

<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 border="0"> <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 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 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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	Date of issuance of this report 02 October 2018 (02.10.2018)
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Xiaofan Tang
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PATENT COOPERATION TREATY

TRANSLATION

From the
INTERNATIONAL SEARCHING AUTHORITY

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:

Date of mailing (day/month/year)	26.12.2016
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Applicant's or agent's file reference 1611138PCT	FOR FURTHER ACTION See paragraph 2 below
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International application No. PCT/CN2016/096398	International filing date (day/month/year) 23.08.2016	Priority date (day/month/year) 31.03.2016
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International Patent Classification (IPC) or both national classification and IPC
G11B20/10 (2006.01) i

Applicant
LE HOLDINGS (BEIJING) CO., LTD.

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 or 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/CN	Date of completion of this opinion	Authorized officer
Facsimile No.		Telephone No.

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INTERNATIONAL SEARCHING AUTHORITY

International application No.

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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. (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:

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International application No. PCT/CN2016/096398
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Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
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1. Statement									
Novelty (N)		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; padding: 2px;">Claims</td> <td style="border-bottom: 1px solid black; padding: 2px;">1-12</td> <td style="width: 10%; text-align: right; padding: 2px;">YES</td> </tr> <tr> <td style="padding: 2px;">Claims</td> <td style="border-bottom: 1px solid black; padding: 2px;">None</td> <td style="text-align: right; padding: 2px;">NO</td> </tr> </table>	Claims	1-12	YES	Claims	None	NO	
Claims	1-12	YES							
Claims	None	NO							
Inventive step (IS)		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; padding: 2px;">Claims</td> <td style="border-bottom: 1px solid black; padding: 2px;">None</td> <td style="width: 10%; text-align: right; padding: 2px;">YES</td> </tr> <tr> <td style="padding: 2px;">Claims</td> <td style="border-bottom: 1px solid black; padding: 2px;">1-12</td> <td style="text-align: right; padding: 2px;">NO</td> </tr> </table>	Claims	None	YES	Claims	1-12	NO	
Claims	None	YES							
Claims	1-12	NO							
Industrial applicability (IA)		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; padding: 2px;">Claims</td> <td style="border-bottom: 1px solid black; padding: 2px;">1-12</td> <td style="width: 10%; text-align: right; padding: 2px;">YES</td> </tr> <tr> <td style="padding: 2px;">Claims</td> <td style="border-bottom: 1px solid black; padding: 2px;">None</td> <td style="text-align: right; padding: 2px;">NO</td> </tr> </table>	Claims	1-12	YES	Claims	None	NO	
Claims	1-12	YES							
Claims	None	NO							

2. Citations and explanations:	
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[1]	D1: CN 1811735 A
[2]	D2: CN 204515794 U
[3]	<p>D1 discloses (see D1, description, p. 6, line 12 to p. 11, line 9) a portable audio playing device and a driving method thereof. The method comprises: obtaining a user fingerprint from a fingerprint recognition sensor; matching the user fingerprint with pre-stored fingerprint information in a storage device; determining voice data information of a user matching the fingerprint information; playing an audio according to the content and format set by the user. The device can be a mobile phone, a tablet computer, or a laptop (therefore, D1 implicitly discloses: a terminal device using an audio playing device, a processor; a memory communicationally connected to at least one processor, the memory storing instructions which can be executed by at least one processor, and</p>

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

instructions being executed by at least one processor; a non-volatile computer storage medium; a computer program product).

[4] Novelty

[5] Claims 1, 5, and 9-12 differ from D1 by "obtaining user information from a headset, wherein the user information is pre-stored in the headset". Therefore, claims 1-12 comply with PCT Article 33(2).

[6] Inventive step

[7] Regarding the difference, D2 discloses (see D2, description, paragraph 59) an electronic device. A finger touches a recognition device on the headset, an authentication device authenticates whether feature information recognized by the recognition device is consistent with identity information stored in a storage device; if the recognition device is located on an insert end for the headset to be inserted in the ear, the approaching ear can be recognized once the headset approaches the ear, so as to recognize a device owner. However, providing a device having user information stored therein in the headset or other electronic devices is a conventional setting set by a person skilled in the art according to the resource configuration of an actual device, and is a common technical means in the art. Therefore, claims 1, 5, and 9-12 do not comply with PCT

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

Article 33(3).

[8] The additional technical features of claims 2-4 and 6-8 are all common technical means in the art. A person skilled in the art would easily conceive of configuring the opportunity for the headset to obtain the user information when the headset is connected. Moreover, the playing of the audio generally can adjust the volume and the timbre, or arrange a playing sequence by configuring an identifier, etc. A person skilled in the art can configure playing parameters which can be preset by a user according to the user requirements, so as to play the audio according to a user-preset volume or timbre, and the indication of an audio identifier. Therefore, claims 2-4 and 6-8 do likewise not comply with PCT Article 33(2).

[9] Industrial applicability

[10] Claims 1-12 are industrially applicable in the sense of PCT Article 33(4).