

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 PA1500168PCT	FOR FURTHER ACTION		See item 4 below
International application No. PCT/CN2015/089242	International filing date (<i>day/month/year</i>) 09 September 2015 (09.09.2015)	Priority date (<i>day/month/year</i>) 01 July 2015 (01.07.2015)	
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237			
Applicant SHENZHEN SKYWORTH-RGB ELECTRONIC 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 7 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 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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<p align="center">The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland</p> <p>Facsimile No. +41 22 338 82 70</p>	<p>Date of issuance of this report 02 January 2018 (02.01.2018)</p>
	<p>Authorized officer</p> <p align="center">Lingfei Bai</p> <p>e-mail: pct.team2@wipo.int</p>

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)	25.03.2016
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Applicant's or agent's file reference PA1500168PCT	FOR FURTHER ACTION See paragraph 2 below
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International application No. PCT/CN2015/089242	International filing date (day/month/year) 09.09.2015	Priority date (day/month/year) 01.07.2015
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International Patent Classification (IPC) or both national classification and IPC
H04N21/472 (2011.01) i

Applicant
SHENZHEN SKYWORTH-RGB ELECTRONIC 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.

WRITTEN OPINION OF THE
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:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

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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

1. Statement			
Novelty (N)	Claims	<u>1-19</u>	YES
	Claims	<u>None</u>	NO
Inventive step (IS)	Claims	<u>None</u>	YES
	Claims	<u>1-19</u>	NO
Industrial applicability (IA)	Claims	<u>1-19</u>	YES
	Claims	<u>None</u>	NO

2. Citations and explanations:

[1] 1. Reference is made to the following document:

[2] D1: CN 101873467 A, 27 October 2010
(27.10.2010)

[3] 2. Novelty and Inventive Step

[4] (1) D1 discloses a method for processing mobile phone television information by a multimedia terminal (see D1, description, paragraphs [0012] to [0025], and figures 1 to 3). The method comprises: a multimedia terminal receives multimedia information carrying a QR code; the multimedia terminal parses the obtained QR code, wherein the QR code comprises mobile phone television program information; the multimedia terminal obtains, via the parsing, the mobile phone television program information carried in the QR code; the multimedia terminal displays the mobile phone television program information, allows a user to operate on the basis of the

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

mobile phone television program information.

[5] Claim 1 differs from D1 in that: in claim 1, a program menu interface is generated on the basis of each program in program information and a corresponding preset QR code, and a terminal displays on the menu interface a QR code to enable a user to scan and obtain program-related information when an instruction for viewing a menu is received; but in D1, the terminal parses the QR code to obtain the program information to enable the user to operate. Therefore, claim 1 complies with PCT Article 33(2), and dependent claims 2-7 also comply with PCT Article 33(2).

[6] The actual problem to be solved by claim 1 is determined by the distinguishing features as how to obtain related program information on the basis of a preset QR code. A person skilled in the art could easily conceive of presenting a QR code to a user by means of a menu interface so as to enable a user to scan and obtain related program information, which is a conventional technical means in the art. Therefore, the subject matter of claim 1 does not comply with PCT Article 33(3).

[7] (2) With respect to dependent claims 2, 3 and 7, it is known to a person skilled in the art that a terminal receives a program transmission stream sent by a program server and parses the same to obtain program information, a QR code, and related information, and the terminal displays the QR code

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Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement

or the program information when an instruction for viewing a menu is received, which are conventional technical means in the art. Therefore, claims 2, 3 and 7 also do not comply with PCT Article 33(3).

[8] (3) With respect to dependent claims 4-6, D1 discloses the feature that the terminal parses the QR code to obtain corresponding program information. In addition, with respect to service information associated with each program, executing different operations on service content or a link address can be preset by technicians, which is a conventional technical means in the art. Therefore, claims 4-6 also do not comply with PCT Article 33(3).

[9] (4) Claims 8-14 set forth a terminal for pushing information in an electronic menu interface, wherein modules comprised in the terminal respectively correspond to method steps of claims 1-7. Therefore, for reasons similar to those given in the comments on claims 1-7, claims 8-14 also comply with PCT Article 33(2) but do not comply with PCT Article 33(3).

[10] (5) Claims 15-19 set forth a system for pushing information in an electronic menu interface, wherein a program server comprised in the system is a conventional configuration in the art, and terminals comprised in the system respectively correspond to the terminals set forth by claims 8-11 and 14. Therefore, for reasons similar to those

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citations and explanations supporting such statement

given in the comments on claims 8-11 and 14,
claims 15-19 also comply with PCT Article 33(2)
but do not comply with PCT Article 33(3).

[11] 3. Industrial Applicability

[12] The subject matter of claims 1-19 is industrially
applicable in the field of digital televisions in
the sense of PCT Article 33(4).