

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

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| To: 100080 China 10th Floor, Building 1, 10 Caihefang Road, Haidian District, Beijing LIU, SHEN & ASSOCIATES |
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PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

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| Applicant's or agent's file reference F17W1189 | Date of mailing <i>(day/month/year)</i> 22 June 2018 | |
| FOR FURTHER ACTION See paragraph 2 below | | |
| International application No. PCT/CN2017/104353 | International filing date <i>(day/month/year)</i> 29 September 2017 | Priority date <i>(day/month/year)</i> |
| International Patent Classification (IPC) or both national classification and IPC H05K 5/02(2006.01)i | | |
| Applicant THOMSON LICENSING | | |

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.

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| Name and mailing address of the ISA/ STATE INTELLECTUAL PROPERTY OFFICE OF THE P.R.CHINA China 6, Xitucheng Rd., Jimen Bridge, Haidian District, Beijing 100088 | Date of completion of this opinion 18 June 2018 | Authorized officer XU,Quan |
| Facsimile No. (86—10) 62019451 | Telephone No. 86-(010)-53961794 | |

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/CN2017/104353

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 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:
 - 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 forming part of 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/CN2017/104353

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

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|-------------------------------|--------|-------------|-----|
| Novelty (N) | Claims | <u>1-15</u> | YES |
| | Claims | <u>none</u> | NO |
| Inventive step (IS) | Claims | <u>none</u> | YES |
| | Claims | <u>1-15</u> | NO |
| Industrial applicability (IA) | Claims | <u>1-15</u> | YES |
| | Claims | <u>none</u> | NO |

2. Citations and explanations :

- [1] Reference is made to the following document:
- [2] D1: CN102721011A (10.10.2012).
- [3] I. Novelty and inventive step
- [4] D1 discloses a backlight module (see description, paragraphs [0074]-[0077], figure 2), which includes a supporting structure 200, the supporting structure 200 comprises a supporting plate 100 and a fixing part 300, the fixing part 300 includes a wall 310 and a bending part 330, wherein there is a room 292 between the wall 310, the bending part 330 and the supporting plate 100. When the supporting structure 200 is fastened to other components with a fastener, the fastener can be locked to the fixing part 300, and the end of the fastener can penetrate into the room 292. Thus, the particle created by the insertion of the fastener can be retained in the room 292. It can be confirmed from figure 2 that there is an opening on the wall 310, and is used for receiving a fastener.
- [5] 1. Claim 1 differs from D1 in that: a cap is mounted on an underside of a portion of the structure at a position beneath the opening. So claim 1 is novel and meets the criteria set out in PCT Article 33 (2).
- [6] A cap is a conventional structure for forming a room, thus the above distinguishing technical feature is commonly known to a person skilled in the art. Therefore, claim 1 is obvious and does not involve an inventive step in the sense of PCT Article 33(3).
- [7] 2. Claim 9 differs from D1 in that: a shielding cover configured for attachment to a circuit board to cover and reduce an electromagnetic emission from an electronic component mounted on the circuit board, and the shielding cover includes a first region, a second region and a cap of non-conductive material. So claim 9 is novel and meets the criteria set out in PCT Article 33 (2).
- [8] The above distinguishing technical feature is commonly known to a person skilled in the art. Therefore, claim 9 is obvious and does not involve an inventive step in the sense of PCT Article 33(3).
- [9] 3. The additional technical features of claims 2-8, 10-15 are commonly known to a person skilled in the art, claims 2-8, 10-15 are novel in the sense of PCT Article 33(2) and do not meet the criteria set out in PCT Article 33 (3).
- [10] II. Industrial applicability
- [11] The subject-matter of claims 1-15 can find industrial applicability in the technical field of communications. Therefore these claims meet the criteria set out in PCT Article 33(4).