To: kinsella@ao-inc.com,docketing@gtpp.com,
From: PAIR_eOfficeAction@uspto.gov
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Subject: Private PAIR Correspondence Notification for Customer Number 27543

Apr 03, 2015 05:26:24 AM

Dear PAIR Customer:

APPLIED OPTOELECTRONICS, INC.
13115 JESS PIRTLE BLVD.
SUGAR LAND, TX 77478
UNITED STATES

The following USPTO patent application(s) associated with your Customer Number, 27543 , have new outgoing correspondence. This correspondence is now available for viewing in Private PAIR.

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Application	Document	Mailroom Date	Attorney Docket No.
14504500	NTC.PUB	04/02/2015	AOIT003

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/504,500	10/02/2014	Chao-Hung Tsai	AOIT003	5134

27543 7590 03/31/2016
APPLIED OPTOELECTRONICS, INC.
13115 JESS PIRTLE BLVD.
SUGAR LAND, TX 77478

EXAMINER	
CONNELLY, MICHELLE R	

ART UNIT	PAPER NUMBER
2874	

NOTIFICATION DATE	DELIVERY MODE
03/31/2016	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

kinsella@ao-inc.com
docketing@gtpp.com
kcarroll@gtpp.com

Office Action Summary	Application No. 14/504,500	Applicant(s) TSAI ET AL.	
	Examiner MICHELLE R. CONNELLY	Art Unit 2874	AIA (First Inventor to File) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5)☒ Claim(s) *1-9* is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-9* is/are rejected.

8)☐ Claim(s) _____ is/are objected to.

9)☐ Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☒ The drawing(s) filed on *10/2/14* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a)☒ All b)☐ Some** c)☐ None of the:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

4) ☐ Other: _____.

DETAILED ACTION

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Priority

Receipt is acknowledged of certified copies of papers required by 37 CFR 1.55.

Drawings

Eight (8) sheets of drawings were filed on October 2, 2014 and have been accepted by the examiner.

Specification

Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Claim Rejections - 35 USC § 102

In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale or otherwise available to the public before the effective filing date of the claimed invention.

Claims 1-4 and 9 are rejected under 35 U.S.C. 102(a)(1) as being anticipated by Togami et al. (US 2011/0081114 A1).

Regarding claim 1; Togami et al. discloses a pluggable optical transceiver module (100; see Figures 1-5), for being inserted into a plugging slot of a socket(slot of receptacle 500; see Figures 5A and 5B), the socket (500) comprising two first fastening parts (502A and 502B) located in the plugging slot, the pluggable optical transceiver module comprising:

- a main body (102; see Figures 1A) having two side surfaces that are opposite to each other and two sliding slots (107A, 107B; see Figures 1A-1C and 5) located at the two side surfaces, respectively, wherein the main body (102) is configured to be inserted into the plugging slot (receptacle 500; see Figures 5A and 5B); and
- a sliding component (134) comprising a linkage arm (202; see Figure 2A) and two extending arms (204A, 204B), wherein the two extending arms are connected to two ends of the linkage arm, respectively, each extending arm has a second fastening part (205A and 206A form one of the second fastening parts, and 205B and 206B form the other of the second fastening parts), the main body (102) is between the two extending arms (204A, 204B), the two extending arms are slidably disposed on the two sliding slots (107A, 107B; see Figures 5A and 5B) to have a fastening position (see Figure 5A) and a releasing position (see Figure 5B), the two

first fastening parts (502A, 502B) are fastened to the two second fastening parts (205A/206A, 205B/206B) when the two extending arms (204A, 204B) are located at the fastening position (see Figure 4A), and the two second fastening parts (205A/206A, 205B/206B) press the two first fastening parts (502A and 502B), respectively, to make the two first fastening parts be farther away from each other when the two extending arms are located at the releasing position (see Figure 5B).

Regarding claim 2; the main body (102; see annotated Figure 1B annotated below) comprises a head part and an inserted part connected to each other, the inserted part is configured to be inserted into the socket (receptacle 500; see Figures 5A and 5B), the two side surfaces (see annotated Figure 1B below) are located at two sides of the head part and the inserted part opposite to each other, respectively, wherein both the two sliding slots (107A and 107B) extend from the head part towards the inserted part (see Figure 1B), and the two extending arms (204A, 204B; see Figures 2A and 2B) are able to slide relative to the two sliding slots (107A and 107B) to have the fastening position (see Figure 5B) which is farther away from the head part and the releasing position (see Figure 5B) which is closer to the head part.

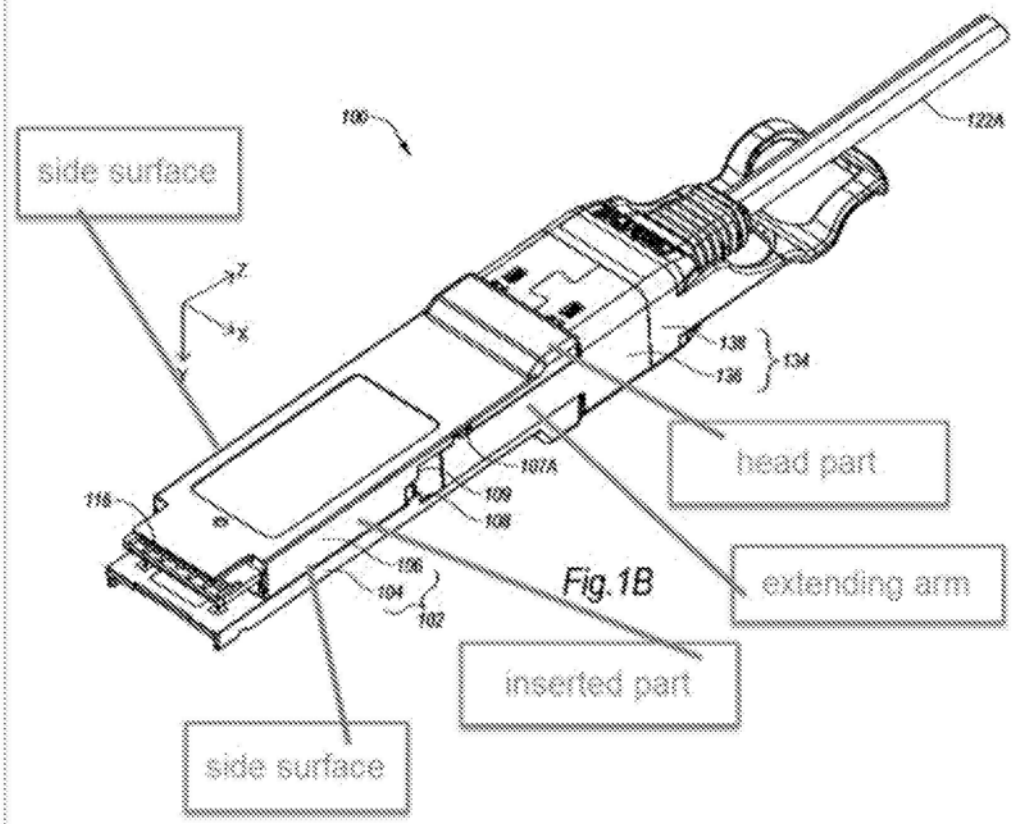


Fig.1B

Regarding claim 3; each second fastening part (205A/206A and 205B/206B) has a fastening surface, and a distance (D1; see annotated Figure 5A below) between one side of the fastening surface which is close to the side surface and the head part is less than a distance (D2; see annotated Figure 5A below) between another side of the fastening surface which is far away from the side surface and the head part.

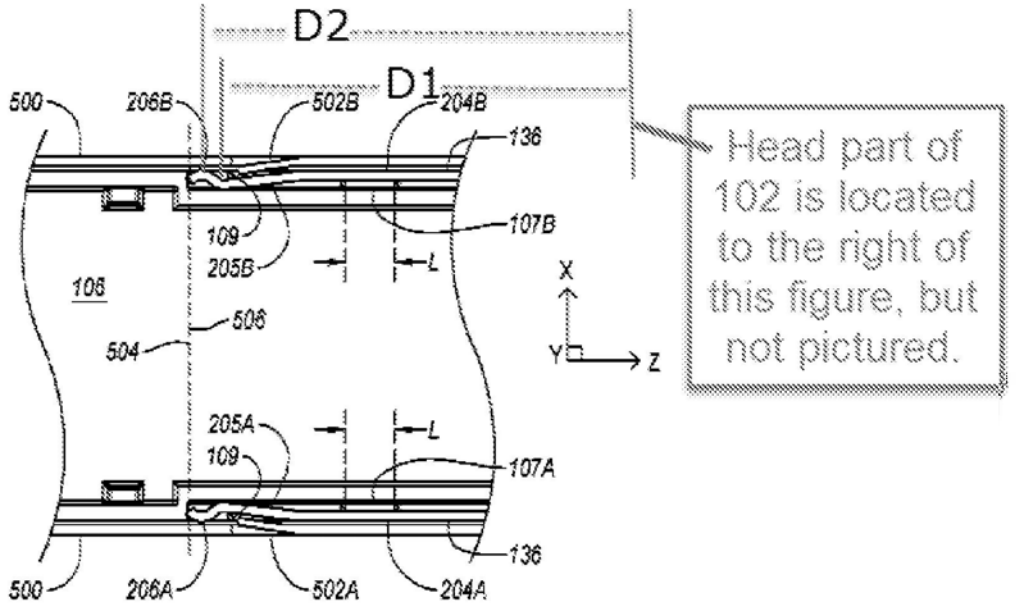


Fig. 5A

Regarding claim 4; the head part has at least one optical fiber terminal (optical fiber cable assembly is inserted into the optical fiber terminal of the head; see Figures 1A-1C and paragraphs 42 and 43).

Regarding claim 9; Togami et al. discloses a pluggable optical transceiver module (100; see Figures 1-5), comprising:

- a main body (102) having a head part and an inserted part that are connected to each other (see annotated Figure 1B above), wherein the main body further comprises opposite two side surfaces and two sliding slots (107A, 107B) which are located at two sides of the head part and the inserted part opposite to each other, respectively, the two sliding slots (107A, 107B) are located at the two side

surfaces, and the two sliding slots (107A, 107B) extend from the head part to the inserted part, respectively; and

- a sliding component (134) comprising a linkage arm (202; see Figure 2A) and two extending arms (204A, 204B), wherein the linkage arm is connected between the two extending arms, each extending arm has a second fastening part (205A/206A, 205B/206B), the main body (102) is between the two extending arms (see Figures 5A and 5B), the two extending arms are able to slide relative to the two sliding slots to have a fastening position (see Figure 5A) which is farther away from the head part and a releasing position (see Figure 5B) which is closer to the head part.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103 which forms the basis for all obviousness rejections set forth in this Office action:

> A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102 of this title, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims the examiner presumes that the subject matter of the various claims was commonly owned as of the effective filing date of the claimed invention(s) absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and effective filing dates of each claim that was not commonly

owned as of the effective filing date of the later invention in order for the examiner to consider the applicability of 35 U.S.C. 102(b)(2)(C) for any potential 35 U.S.C. 102(a)(2) prior art against the later invention.

Claims 5-8 are rejected under 35 U.S.C. 103 as being unpatentable over Togami et al. (US 2011/0081114 A1) in view of Mizue et al. (US 7,201,520 B2).

Regarding claim 5; Togami et al. discloses the main body (102 of Togami et al.) includes two bottom surfaces forming the two sliding slots (107A and 107B), respectively, the two bottom surfaces are parallel to the two side surfaces, but does not disclose at least one limiting space, the at least one limiting space is located at one of the two side surfaces, wherein each extending arm has a limited part configured to move in the at least one limiting space.

Mizue et al. teaches that at least one limiting space (26p; see Figure 8) may be at each of the two side surfaces of a main body (26; see Figures 7 and 8) within sliding slots that receive extending arms (20a) of a sliding component (20), wherein each extending arm (20a) has a limited part (20g) configured to move in the at least one limitation space (26p) in cooperation with a spring (30) to secure the sliding component (20) within the slots of the main body (26) and prevent unintentional disconnection of the transceiver module from the socket (see Figures 7 and 8, and column 7, lines 4- 62 of Mizue et al.).

One of ordinary skill in the art, before the effective filing date of the claimed invention, would have found it obvious to incorporate at least one limiting space in each side surface of the main body (102) of Togami et al. within the sliding slots (107A and

107B) as suggested by the teachings of Mizue et al. and to provide limited parts on the extending arms (204A and 204B) to move within the limiting space in cooperation with a spring positioned therein for the purpose of providing a mechanism that prevents the transceiver from being unintentionally disconnected and holds the extending arms within the sliding slots of the main body of Togami et al. until a force is exerted by a user to compress the spring and remove the transceiver module from the socket.

Regarding claim 6; the spring (30) suggested by the teachings of Mizue et al. as discussed with respect to claim 5 comprises an elastic component (spring), wherein the main body (26 of Mizue et al., 102 of Togami et al.) has a first limiting surface (26q; see Figure 8 of Mizue et al.) and a second limiting surface (26r) forming the limiting space (26p), the first limiting surface is closer to the head part than the second limiting surface, and the elastic component (spring, 30) is located in the limiting space and between the first limiting surface and the limited part (20g; see Figure 8 of Mizue et al.).

Regarding claim 7; Mizue et al. also suggest two elastic components (springs 30; see Figure 8), wherein the number of the at least one limiting surface (26p) is two (one on each side of the main body), the main body (26) has two first limiting surfaces (26q) and two second limiting surfaces (26r) forming the two limiting spaces (26p) together, respectively, the two first limiting surfaces are closer to the head part than the two second limiting surfaces, the two elastic components (30) are located in the two limiting spaces, respectively, and each elastic component is between the first limiting surface and the limited part (see Figure 8 of Mizue et al.).

Regarding claim 8; Mizue et al. further teaches the use of a pull handle (22b) that pivots on a linkage arm of the sliding component, and one of ordinary skill in the art, before the effective filing date of the claimed invention, would have found it obvious to further provide a pull handle that pivots on the linkage arm of the sliding component for the purpose of allowing easy removal of the device with an alternative pull handle configuration that is known in the art.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHELLE R. CONNELLY whose telephone number is (571)272-2345. The examiner can normally be reached on 9:00 AM to 5:00 PM, Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Uyen-Chau N. Le can be reached on 571-272-2397. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

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/MICHELLE R. CONNELLY/
Primary Examiner, Art Unit 2874

Notice of References Cited	Application/Control No. 14/504,500	Applicant(s)/Patent Under Reexamination TSAI ET AL.	
	Examiner MICHELLE R. CONNELLY	Art Unit 2874	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-2011/0081114 A1	04-2011	Togami; Chris K.	G02B6/4246	385/76
*	B	US-7,201,520 B2	04-2007	Mizue; Toshio	G02B6/4292	385/92
	C	US-				
	D	US-				
	E	US-				
	F	US-				
	G	US-				
	H	US-				
	I	US-				
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	M	US-				

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	P					
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	T					

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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14504500	TSAI ET AL.
	Examiner	Art Unit
	MICHELLE R CONNELLY	2874

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	03/24/2016								
	1	✓								
	2	✓								
	3	✓								
	4	✓								
	5	✓								
	6	✓								
	7	✓								
	8	✓								
	9	✓								

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14504500	TSAI ET AL.
	Examiner	Art Unit
	MICHELLE R CONNELLY	2874

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

SEARCH NOTES		
Search Notes	Date	Examiner
USPTO EAST (see attached text search strategy)	3/24/16	MC

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

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Cc: PAIR_eOfficeAction@uspto.gov
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Mar 31, 2016 05:41:12 AM

Dear PAIR Customer:

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13115 JESS PIRTLE BLVD.
SUGAR LAND, TX 77478
UNITED STATES

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Application	Document	Mailroom Date	Attorney Docket No.
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	892	03/31/2016	AOIT003

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5	(chao-hung near2 tsai).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/03/24 18:48
L2	2	(chien-te near2 lin).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/03/24 18:48
L3	3	(che-shou near2 yeh).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/03/24 18:48
L4	6	1 or 2 or 3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/03/24 18:48
S1	92	(G02B6/42$3.cpc. or G02B6/43.cpc.) and (plug$4 or pluggable) and (transceiv$3) and module and socket and slid$4 and pull$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/03/24 14:31
S2	0	("2015/0093083").URPN.	USPAT	OR	ON	2016/03/24 14:31
S3	188	(G02B6/42$3.cpc. or G02B6/43.cpc.) and (plug$4 or pluggable) and (pull$3 near3 (tab or handle))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/03/24 14:33
S4	0	("2016/0004022").URPN.	USPAT	OR	ON	2016/03/24 14:33
S5	4	("7090523" | "7402070" | "8206043" | "8226305").PN. OR ("9276358").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/03/24 14:37
S6	29	(US-20150093083-$ or US-20160004022-$	US-PGPUB;	OR	ON	2016/03/24

		or US-20150349462-$ or US-20150338588-$ or US-20140348468-$ or US-20140169749-$ or US-20140168906-$ or US-20140126957-$ or US-20140035755-$ or US-20130280932-$ or US-20130183846-$ or US-20120148198-$ or US-20110267742-$ or US-20110081114-$ or US-20090274468-$).did. or (US-9276358-$ or US-8226305-$ or US-8206043-$ or US-7402070-$ or US-7090523-$ or US-9250402-$ or US-9230416-$ or US-8292518-$ or US-8113723-$ or US-7766679-$).did. or (US-20150093083-$ or US-20160004022-$ or US-20150338588-$ or US-20140219616-$).did.	USPAT; DERWENT			14:41
S7	1	("20110081114").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/03/24 14:54
S8	0	S7 and socket	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/03/24 14:54
S9	1	S7 and receptacle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/03/24 14:54
S10	2	("2011/0081114").URPN.	USPAT	OR	ON	2016/03/24 15:45
S11	17	("20050260880" | "20060078259" | "20110081114" | "4979909" | "6648665" | "6749448" | "6824416" | "6851867" | "7040911" | "7090523" | "7309250" | "8040687").PN. OR ("8545252").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/03/24 15:45
S12	16	("20050260880" | "20120275120" | "6824416" | "6872010" | "6991481" | "7052306" | "7090523" | "7201520" | "7300215" | "7422457" | "7445485" | "7466544" | "7513693" | "7618199" | "7643720" | "8545252").PN. OR ("9182558").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/03/24 15:46
S13	2	("2012/0275120").URPN.	USPAT	OR	ON	2016/03/24 15:47
S14	31	("20030002823" | "20030072539" | "20030072540" | "20030171022" | "20040008954" | "20040033030" | "20040062493" | "20040105239" | "20040197055" | "20040197056" | "20050100292" | "20050117854" | "6439918" | "6447170" | "6556446" | "6744963" | "6786653").PN. OR ("7201520").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/03/24 15:48
S15	3	(("6749448") or ("7090523") or ("7201520")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/03/24 16:14

S16	1	14/504,500	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/03/24 17:24
S17	1	S16 and (bottom adj surface)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/03/24 17:24
S18	1	("7201520").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/03/24 17:27
S19	1	S18 and spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/03/24 17:27
S20	1	("20110081114").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/03/24 17:30

EAST Search History (Interference)

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3/24/2016 6:52:05 PM
C:\Users\mconnellycushwa\Documents\EAST\Workspaces\14504500.wsp

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.	:	14/504,500	Confirmation No. :	5134
Applicant	:	Applied Optoelectronics, Inc.		
Filed	:	Oct. 2, 2014		
TC/A.U.	:	2874		
Examiner	:	Connelly		
Docket No.	:	AOIT003		
Customer No.	:	27,543		

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT AND REPLY UNDER 37 CFR § 1.111

Sir:

In response to the Office Action dated March 31, 2016, please amend the application as follows and consider the included remarks.

Authorization to charge the deposit account has been provided upon electronic filing of this amendment to extend the term for response for 1 month, from June 30, 2016 to July 31, 2016. Applicant(s) believes that no other extension of time is required. However, Applicant(s) conditionally petitions for an extension of time to provide for the possibility that the need for such a petition has been inadvertently overlooked. As provided below, please charge Deposit Account No. 50-1705 for any required fee.

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A pluggable optical transceiver module, for being inserted into a plugging slot of a socket, the socket comprising two first fastening parts located in the plugging slot, the pluggable optical transceiver module comprising:

a main body having two side surfaces that are opposite to each other and two sliding slots located at the two side surfaces, respectively, wherein the main body is configured to be inserted into the plugging slot, wherein the main body has at least one limiting space and two bottom surfaces forming the two sliding slots, respectively, the two bottom surfaces are parallel to the two side surfaces, the at least one limiting space is located at one of the two side surfaces; ~~and~~

a sliding component comprising a linkage arm and two extending arms, wherein the two extending arms are connected to two ends of the linkage arm, respectively, each extending arm has a second fastening part, the main body is between the two extending arms, the two extending arms are slidably disposed on the two sliding slots to have a fastening position and a releasing position, the two first fastening parts are fastened to the two second fastening parts when the two extending arms are located at the fastening position, and the two second fastening parts press the two first fastening parts, respectively, to make the two first fastening parts be farther away from each other when the two extending arms are located at the releasing position, wherein each extending arm has a limited part configured to move in the at least one limiting space; and

an elastic component, wherein the main body has a first limiting surface and a second limiting surface forming the limiting space, the first limiting surface is closer to the head part than the second limiting surface, and the elastic component is located in the limiting space and between the first limiting surface and the limited part and is covered by the extending arm such that the elastic component is confined by the main body and the sliding component.

2. (Original) The pluggable optical transceiver module according to claim 1, wherein the main body comprises a head part and an inserted part connected to each other, the inserted part is configured to be inserted into the socket, the two side surfaces are located at two sides of the head part and the inserted part opposite to each other, respectively, wherein both the two sliding slots extend from the head part towards the inserted part, and the two extending arms are able to slide relative to the two sliding slots to have the fastening position which is farther away from the head part and the releasing position which is closer to the head part.

3. (Original) The pluggable optical transceiver module according to claim 2, wherein each second fastening part has a fastening surface, and a distance between one side of the fastening surface which is close to the side surface and the head part is less than a distance between another side of the fastening surface which is far away from the side surface and the head part.

4. (Original) The pluggable optical transceiver module according to claim 2, wherein the head part has at least one optical fiber terminal.

5. (Cancelled)

6. (Cancelled)

7. (Currently Amended) The pluggable optical transceiver module according to claim 1 [[5]], further comprising two elastic components, wherein the number of the at least one limiting surface is two, the main body has two first limiting surfaces and two second limiting surfaces forming the two limiting spaces together, respectively, the two first limiting surfaces are closer to the head part than the two second limiting surfaces, the two elastic components are located in the two limiting spaces, respectively, and each elastic component is between the first limiting surface and the limited part.

8. (Currently Amended) The pluggable optical transceiver module according to claim 1 [[5]], wherein the pluggable optical transceiver module further comprises a pull handle pivoted on the linkage arm of the sliding component.

9. (Currently amended) A pluggable optical transceiver module, comprising:

a main body having a head part and an inserted part that are connected to each other, wherein the main body further comprises opposite two side surfaces and two sliding slots which are located at two sides of the head part and the inserted part opposite to each other, respectively, the two sliding slots are located at the two side surfaces, and the two sliding slots extend from the head part to the inserted part, respectively, wherein the main body has at least one limiting space and two bottom surfaces forming the two sliding slots, respectively, the two bottom surfaces are parallel to the two side surfaces, the at least one limiting space is located at one of the two side surfaces; ~~and~~

a sliding component comprising a linkage arm and two extending arms, wherein the linkage arm is connected between the two extending arms, each extending arm has a second fastening part, the main body is between the two extending arms, the two extending arms are able to slide relative to the two sliding slots to have a fastening position which is farther away from the head part and a releasing position which is closer to the head part, wherein each extending arm has a limited part configured to move in the at least one limiting space; and

an elastic component, wherein the main body has a first limiting surface and a second limiting surface forming the limiting space, the first limiting surface is closer to the head part than the second limiting surface, and the elastic component is located in the limiting space and between the first limiting surface and the limited part and is covered by the extending arm such that the elastic component is confined by the main body and the sliding component.

Remarks/Arguments

Please reconsider the application in view of the above amendments and the following remarks.

Status of Claims

Claims 1-9 stand rejected. Claims 1 and 9 have been amended to include the subject matter from dependent claims 5 and 6 and to provide further clarification. Claims 7 and 8 have been amended to correct dependency. Claims 5 and 6 have been cancelled. Claims 1-4 and 7-9 remain pending.

Rejections under 35 U.S.C. §102

Claims 1-4 and 9 are rejected under 35 U.S.C. 102(a)(1) as being anticipated by U.S. Patent Application Pub. No. 2011/0081114 to Togami, et al. ("Togami"). The subject matter of dependent claims 5 and 6, which were not rejected as anticipated over Togami, have been added to independent claims 1 and 9. Accordingly, Applicant submits that this rejection is moot and requests that the rejection be withdrawn.

Rejections under 35 U.S.C. §103

Claims 5-8 are rejected under 35 U.S.C. 103 as being unpatentable over Togami in view of U.S. Patent No. 7,201,520 to Mizue, et al. ("Mizue"). Applicant respectfully requests reconsideration.

Independent claims 1 and 9, which now include the subject matter of dependent claims 5 and 6, are directed to a pluggable optical transceiver module including a main body, a sliding component, and an elastic component. The main body is between two extending arms of the sliding component and the elastic component is located in a limiting space of the main body between a first limiting surface of the main body and a limited part of the extending arm. Independent claims 1 and 9 have been amended to clarify that the elastic component is covered by the extending arm such that the elastic component is confined by the main body and the sliding component. Support for this may be found in the original disclosure, for example, in FIGS. 4A, 4B, 5A, and 5B.

Applicant submits that, even if Mizue and Togami could be combined as proposed in the Office Action, the proposed combination would not result in the pluggable optical transceiver

recited in amended independent claims 1 and 9. With respect to the teaching reference Mizue, the Office Action asserts that "each extending arm (20a) has a limited part (20g) configured to move in the at least one limitation space (26p) in cooperation with a spring (30)." Even if this structure in Mizue were combined with Togami, however, the spring 30 is exposed and not covered by the arm 20a. See Mizue, FIG. 9. As such, the proposed combination would not result in an elastic component being "covered by the extending arm such that the elastic component is confined by the main body and the sliding component," as recited in amended independent claims 1 and 9.

Because the proposed combination of Togami and Mizue fails to result in the pluggable optical transceiver module recited in amended claims 1 and 9, Applicant submits that these claims, and the claims dependent therefrom, would not have been obvious over this proposed combination. Accordingly, Applicant requests that the rejection under 35 U.S.C. 103 be withdrawn.

Conclusion

The claims have been shown to be allowable over the prior art. Applicant believes that this paper is responsive to each and every ground of rejection cited by the Examiner in the Action dated March 31, 2016, and respectfully requests favorable action in this application. The examiner is invited to telephone the undersigned, applicant's attorney of record, to facilitate advancement of the present application.

Please apply any charges not covered, or any credits, to Deposit Account 50-1705 (Reference Number AOIT003).

Respectfully submitted,

GROSSMAN, TUCKER, PERREAULT & PFLEGER PLLC

Date: August 1, 2016

By: /Kevin J. Carroll/
Kevin J. Carroll, Reg. No. 36,384

55 S. Commercial Street
Manchester, NH 03101
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Electronic Patent Application Fee Transmittal

Application Number:	14504500
Filing Date:	02-Oct-2014
Title of Invention:	PLUGGABLE OPTICL TRANSCEIVER MODULE
First Named Inventor/Applicant Name:	Chao-Hung Tsai
Filer:	Kevin J. Carroll/April Davis
Attorney Docket Number:	AOIT003

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension - 1 month with $0 paid	1251	1	200	200
Miscellaneous:				
			Total in USD ($)	**200**

Electronic Acknowledgement Receipt

EFS ID:	26509900
Application Number:	14504500
International Application Number:	
Confirmation Number:	5134
Title of Invention:	PLUGGABLE OPTICL TRANSCEIVER MODULE
First Named Inventor/Applicant Name:	Chao-Hung Tsai
Customer Number:	27543
Filer:	Kevin J. Carroll/April Davis
Filer Authorized By:	Kevin J. Carroll
Attorney Docket Number:	AOIT003
Receipt Date:	01-AUG-2016
Filing Date:	02-OCT-2014
Time Stamp:	15:30:54
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	$200
RAM confirmation Number	1757
Deposit Account	501705
Authorized User	CARROLL, KEVIN J.
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 CFR 1.16 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 CFR 1.17 (Patent application and reexamination processing fees)	

Charge any Additional Fees required under 37 CFR 1.19 (Document supply fees)

Charge any Additional Fees required under 37 CFR 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		AOIT003_Amendment_asfiled_080116.pdf	45259 6fc344046a0e19b810c9575fc0ff4559b7d0879f	yes	6

Multipart Description/PDF files in .zip description

Document Description	Start	End
Amendment/Req. Reconsideration-After Non-Final Reject	1	1
Claims	2	4
Applicant Arguments/Remarks Made in an Amendment	5	6

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	30646 99f517e4313d1818134618e5dc2bc0184e45d165	no	2

Warnings:

Information:

Total Files Size (in bytes):	75905

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 14/504,500	Filing Date 10/02/2014	☐ To be Mailed

ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	08/01/2016	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 7	Minus	** 20	= 0	X $80 =	0
	Independent (37 CFR 1.16(h))	* 2	Minus	***3	= 0	X $420 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	0

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

LIE
ERIC DANTZLER

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

27543 7590 08/12/2016
APPLIED OPTOELECTRONICS, INC.
13115 JESS PIRTLE BLVD.
SUGAR LAND, TX 77478

EXAMINER
CONNELLY, MICHELLE R

ART UNIT	PAPER NUMBER
2874	

DATE MAILED: 08/12/2016

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/504,500	10/02/2014	Chao-Hung Tsai	AOIT003	5134

TITLE OF INVENTION: PLUGGABLE OPTICL TRANSCEIVER MODULE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$960	$0	$0	$960	11/14/2016

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

27543 7590 08/12/2016
APPLIED OPTOELECTRONICS, INC.
13115 JESS PIRTLE BLVD.
SUGAR LAND, TX 77478

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/504,500	10/02/2014	Chao-Hung Tsai	AOIT003	5134

TITLE OF INVENTION: PLUGGABLE OPTICL TRANSCEIVER MODULE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$960	$0	$0	$960	11/14/2016

EXAMINER	ART UNIT	CLASS-SUBCLASS
CONNELLY, MICHELLE R	2874	385-092000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
- ❑ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ❑ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.
1 _____
2 _____
3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ❑ Individual ❑ Corporation or other private group entity ❑ Government

4a. The following fee(s) are submitted:
- ❑ Issue Fee
- ❑ Publication Fee (No small entity discount permitted)
- ❑ Advance Order - # of Copies _____

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**
- ❑ A check is enclosed.
- ❑ Payment by credit card. Form PTO-2038 is attached.
- ❑ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)
- ❑ Applicant certifying micro entity status. See 37 CFR 1.29
  NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
- ❑ Applicant asserting small entity status. See 37 CFR 1.27
  NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
- ❑ Applicant changing to regular undiscounted fee status.
  NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

PTOL-85 Part B (10-13) Approved for use through 10/31/2013. OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/504,500	10/02/2014	Chao-Hung Tsai	AOIT003	5134

27543 7590 08/12/2016

APPLIED OPTOELECTRONICS, INC.
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SUGAR LAND, TX 77478

EXAMINER	
CONNELLY, MICHELLE R	
ART UNIT	PAPER NUMBER
2874	

DATE MAILED: 08/12/2016

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)
(Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 14/504,500	Applicant(s) TSAI ET AL.	
	Examiner MICHELLE R. CONNELLY	Art Unit 2874	AIA (First Inventor to File) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *Applicant's Amendment filed August 1, 2016*.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on_____.
2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. ☒ The allowed claim(s) is/are *1-4 and 7-9*. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   Certified copies:

   a) ☒ All b) ☐ Some *c) ☐ None of the:
   1. ☒ Certified copies of the priority documents have been received.
   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
5. ☐ Examiner's Amendment/Comment
6. ☒ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/MICHELLE R. CONNELLY/
Primary Examiner, Art Unit 2874

DETAILED ACTION

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Response to Amendment

Applicant's Amendment filed August 1, 2016 has been fully considered and entered.

Allowable Subject Matter

Claims 1-4 and 7-9 are allowed.

The following is an examiner's statement of reasons for allowance: The prior art of record, which is the most relevant prior art known, does not disclose or render obvious the pluggable optical transceiver module defined in claim 1 or the pluggable optical transceiver module defined in claim 9, **wherein the elastic component is located in the limiting space and between the first limiting surface and the limited part and is covered by the extending arm such that the elastic component is confined by the main body and the sliding component** in combination with ***all*** of the limitations of claim 1 or of claim 9, respectively.

Claims 2-4, 7 and 8 depend from claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHELLE R. CONNELLY whose telephone number is (571)272-2345. The examiner can normally be reached on 9:00 AM to 5:00 PM, Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Uyen-Chau N. Le can be reached on 571-272-2397. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/MICHELLE R. CONNELLY/
Primary Examiner, Art Unit 2874

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14504500	TSAI ET AL.
	Examiner	Art Unit
	MICHELLE R CONNELLY	2874

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

SEARCH NOTES		
Search Notes	Date	Examiner
USPTO EAST (see attached text search strategy)	3/24/16	MC
G02B 6/423, 4246, 4261, 4292 limited with text (see attached EAST text search strategy)	8/5/16	MC
USPTO EAST (see attached EAST text search strategy)	8/5/16	MC

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
USPTO EAST	see attached EAST text search strategy	8/5/16	MC

	/MICHELLE R CONNELLY/ Primary Examiner.Art Unit 2874

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14504500	TSAI ET AL.
	Examiner	**Art Unit**
	MICHELLE R CONNELLY	2874

CPC						
Symbol					**Type**	**Version**
G02B		6	/	423	F	2013-01-01
G02B		6	/	4284	I	2013-01-01
G02B		6	/	4292	I	2013-01-01
G02B		6	/	4246	I	2013-01-01
G02B		6	/	4261	I	2013-01-01
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CPC Combination Sets							
Symbol					**Type**	**Set**	**Ranking**	**Version**
			/					
			/					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	7	
/MICHELLE R CONNELLY/ Primary Examiner.Art Unit 2874	08/05/2016	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	3, 4A

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14504500	TSAI ET AL.
	Examiner	**Art Unit**
	MICHELLE R CONNELLY	2874

US ORIGINAL CLASSIFICATION		INTERNATIONAL CLASSIFICATION	
CLASS	SUBCLASS	CLAIMED	NON-CLAIMED
		G 0 2 B 6 / 42 (2006.01)	

CROSS REFERENCE(S)					
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	7	
/MICHELLE R CONNELLY/ Primary Examiner.Art Unit 2874	08/05/2016	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	3, 4A

U.S. Patent and Trademark Office

Part of Paper No. 20160805

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14504500	TSAI ET AL.
	Examiner	**Art Unit**
	MICHELLE R CONNELLY	2874

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1														
2	2														
3	3														
4	4														
-	5														
-	6														
5	7														
6	8														
7	9														

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	7	
/MICHELLE R CONNELLY/ Primary Examiner.Art Unit 2874	08/05/2016	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	3, 4A

U.S. Patent and Trademark Office

Part of Paper No. 20160805

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BIB DATA SHEET

CONFIRMATION NO. 5134

SERIAL NUMBER	FILING or 371(c) DATE RULE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
14/504,500	10/02/2014	385	2874	AOIT003

APPLICANTS
Applied Optoelectronics, Inc., New Taipei City, TAIWAN

INVENTORS
Chao-Hung Tsai, New Taipei City, TAIWAN;
Chien-Te Lin, New Taipei City, TAIWAN;
Che-Shou Yeh, New Taipei City, TAIWAN;

**** CONTINUING DATA **************************

**** FOREIGN APPLICATIONS **************************
TAIWAN 102135723 10/02/2013

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ****
10/07/2014

Foreign Priority claimed ☑ Yes ☐ No 35 USC 119(a-d) conditions met ☑ Yes ☐ No Verified and Acknowledged /MICHELLE R CONNELLY/ Examiner's Signature	☐ Met after Allowance Initials	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
		TAIWAN	8	9	2

ADDRESS
APPLIED OPTOELECTRONICS, INC.
13115 JESS PIRTLE BLVD.
SUGAR LAND, TX 77478
UNITED STATES

TITLE
PLUGGABLE OPTICL TRANSCEIVER MODULE

FILING FEE RECEIVED		
1600	FEES: Authority has been given in Paper No._____ to charge/credit DEPOSIT ACCOUNT No._____ for following:	☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit

BIB (Rev. 05/07).

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5	"20110081114"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 10:37
L2	1	14/504,500	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 10:44
L3	1	2 and (extend$3 near2 arm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 10:44
L4	2	(("20110081114") or ("7201520")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/08/05 10:45
L5	112	(G02B6/42$3.cpc. or G02B6/43.cpc.) and (plug$4 or pluggable) and (transceiv$3) and module and socket and slid$4 and pull$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 10:46
L6	0	("2015/0093083").URPN.	USPAT	OR	ON	2016/08/05 10:46
L7	216	(G02B6/42$3.cpc. or G02B6/43.cpc.) and (plug$4 or pluggable) and (pull$3 near3 (tab or handle))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 10:46
L8	0	("2016/0004022").URPN.	USPAT	OR	ON	2016/08/05 10:46
L9	4	("7090523" | "7402070" | "8206043" | "8226305").PN. OR ("9276358").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/08/05 10:46
L10	29	(US-20150093083-$ or US-20160004022-$ or US-20150349462-$ or US-20150338588-$ or US-20140348468-$ or US-20140169749-$ or US-20140168906-$ or US-20140126957-$ or US-	US-PGPUB; USPAT; DERWENT	OR	ON	2016/08/05 10:46

		20140035755-$ or US-20130280932-$ or US-20130183846-$ or US-20120148198-$ or US-20110267742-$ or US-20110081114-$ or US-20090274468-$).did. or (US-9276358-$ or US-8226305-$ or US-8206043-$ or US-7402070-$ or US-7090523-$ or US-9250402-$ or US-9230416-$ or US-8292518-$ or US-8113723-$ or US-7766679-$).did. or (US-20150093083-$ or US-20160004022-$ or US-20150338588-$ or US-20140219616-$).did.				
L11	1	("20110081114").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/08/05 10:46
L12	0	L11 and socket	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 10:46
L13	1	L11 and receptacle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 10:46
L14	2	("2011/0081114").URPN.	USPAT	OR	ON	2016/08/05 10:46
L15	18	("20050260880" | "20060078259" | "20110081114" | "4979909" | "6648665" | "6749448" | "6824416" | "6851867" | "7040911" | "7090523" | "7309250" | "8040687").PN. OR ("8545252").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/08/05 10:46
L16	16	("20050260880" | "20120275120" | "6824416" | "6872010" | "6991481" | "7052306" | "7090523" | "7201520" | "7300215" | "7422457" | "7445485" | "7466544" | "7513693" | "7618199" | "7643720" | "8545252").PN. OR ("9182558").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/08/05 10:46
L17	3	("2012/0275120").URPN.	USPAT	OR	ON	2016/08/05 10:46
L18	31	("20030002823" | "20030072539" | "20030072540" | "20030171022" | "20040008954" | "20040033030" | "20040062493" | "20040105239" | "20040197055" | "20040197056" | "20050100292" | "20050117854" | "6439918" | "6447170" | "6556446" | "6744963" | "6786653").PN. OR ("7201520").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/08/05 10:46
L19	3	(("6749448") or ("7090523") or ("7201520")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/08/05 10:46
L20	1	14/504,500	US-PGPUB; USPAT; USOCR;	OR	ON	2016/08/05 10:46

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
L21	1	L20 and (bottom adj surface)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 10:46
L22	1	("7201520").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/08/05 10:46
L23	1	L22 and spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 10:46
L24	1	("20110081114").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/08/05 10:46
L25	5	(chao-hung near2 tsai).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 10:46
L26	2	(chien-te near2 lin).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 10:46
L27	3	(che-shou near2 yeh).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 10:46
L28	6	L25 or L26 or L27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 10:46
L29	13	(2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28) and @pd>"20160324"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 10:56
L30	1	(plug$4 or pluggable) with (optic$3 near2	US-PGPUB;	OR	ON	2016/08/05

		transceiv$3) and ((limit$3 near2 space) with (elastic or spring))	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			10:57
L31	5	(plug$4 or pluggable) with (optic$3 near2 transceiv$3) and ((arm near3 cover$3) with (elastic or spring))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 10:58
L32	24	(plug$4 or pluggable) with (optic$3 near2 transceiv$3) and (cover$3 near2 (elastic or spring))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 10:58
L33	2	G02B6/$.cpc. and ((space or hole or groove or trench or recess) near3 (elastic or spring)) same (((cover$3 near2 (space or hole or groove or trench or recess or elastic or spring)) with arm))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 11:00
L34	31	G02B6/$.cpc. and ((arm near3 cover$3) with (elastic or spring))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 11:00
L35	5	((chao-hung) near2 tsai).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 11:01
L36	2	(chien-te near2 lin).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 11:01
L37	3	(che-shou near2 yeh).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 11:02
L38	6	35 or 36 or 37	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2016/08/05 11:02

			IBM_TDB			
L49	4373	G02B6/423.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 11:28
L50	10992	G02B6/4246.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 11:28
L51	747	G02B6/4284.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 11:29
L52	436	G02B6/4261.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 11:29
L53	10217	G02B6/4292.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 11:29
L54	21742	(49 or 50 or 51 or 52 or 53)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 11:29
L57	392	54 and (plug$4 or pluggable) and (transceiv$3) and (socket or receptacle) and (elastic or spring) and (slid$4 or slidable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 11:36
L58	392	54 and (plug$4 or pluggable) and (transceiv$3) and (socket or receptacle) and (elastic or spring) and (slid$4 or slidable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/08/05 11:36
S1	92	(G02B6/42$3.cpc. or G02B6/43.cpc.) and (plug$4 or pluggable) and (transceiv$3) and module and socket and slid$4 and pull$3	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2016/03/24 14:31

			EPO; JPO; DERWENT; IBM_TDB			
S2	0	("2015/0093083").URPN.	USPAT	OR	ON	2016/03/24 14:31
S3	188	(G02B6/42$3.cpc. or G02B6/43.cpc.) and (plug$4 or pluggable) and (pull$3 near3 (tab or handle))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/03/24 14:33
S4	0	("2016/0004022").URPN.	USPAT	OR	ON	2016/03/24 14:33
S5	4	("7090523" | "7402070" | "8206043" | "8226305").PN. OR ("9276358").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/03/24 14:37
S6	29	(US-20150093083-$ or US-20160004022-$ or US-20150349462-$ or US-20150338588-$ or US-20140348468-$ or US-20140169749-$ or US-20140168906-$ or US-20140126957-$ or US-20140035755-$ or US-20130280932-$ or US-20130183846-$ or US-20120148198-$ or US-20110267742-$ or US-20110081114-$ or US-20090274468-$).did. or (US-9276358-$ or US-8226305-$ or US-8206043-$ or US-7402070-$ or US-7090523-$ or US-9250402-$ or US-9230416-$ or US-8292518-$ or US-8113723-$ or US-7766679-$).did. or (US-20150093083-$ or US-20160004022-$ or US-20150338588-$ or US-20140219616-$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2016/03/24 14:41
S7	1	("20110081114").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/03/24 14:54
S8	0	S7 and socket	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/03/24 14:54
S9	1	S7 and receptacle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/03/24 14:54
S10	2	("2011/0081114").URPN.	USPAT	OR	ON	2016/03/24 15:45
S11	17	("20050260880" | "20060078259" | "20110081114" | "4979909" | "6648665" | "6749448" | "6824416" | "6851867" | "7040911" | "7090523" | "7309250" | "8040687").PN. OR ("8545252").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/03/24 15:45
S12	16	("20050260880" | "20120275120" | "6824416" | "6872010" | "6991481" |	US-PGPUB; USPAT;	OR	ON	2016/03/24 15:46

		"7052306" | "7090523" | "7201520" | "7300215" | "7422457" | "7445485" | "7466544" | "7513693" | "7618199" | "7643720" | "8545252").PN. OR ("9182558").URPN.	USOCR			
S13	2	("2012/0275120").URPN.	USPAT	OR	ON	2016/03/24 15:47
S14	31	("20030002823" | "20030072539" | "20030072540" | "20030171022" | "20040008954" | "20040033030" | "20040062493" | "20040105239" | "20040197055" | "20040197056" | "20050100292" | "20050117854" | "6439918" | "6447170" | "6556446" | "6744963" | "6786653").PN. OR ("7201520").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2016/03/24 15:48
S15	3	(("6749448") or ("7090523") or ("7201520")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/03/24 16:14
S16	1	14/504,500	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/03/24 17:24
S17	1	S16 and (bottom adj surface)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/03/24 17:24
S18	1	("7201520").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/03/24 17:27
S19	1	S18 and spring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/03/24 17:27
S20	1	("20110081114").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2016/03/24 17:30
S21	5	(chao-hung near2 tsai).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/03/24 18:48
S22	2	(chien-te near2 lin).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/03/24 18:48

S23	3	(che-shou near2 yeh).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/03/24 18:48
S24	6	S21 or S22 or S23	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/03/24 18:48

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L39	5	((chao-hung) near2 tsai).in.	US-PGPUB; USPAT	OR	ON	2016/08/05 11:02
L40	2	(chien-te near2 lin).in.	US-PGPUB; USPAT	OR	ON	2016/08/05 11:02
L41	3	(che-shou near2 yeh).in.	US-PGPUB; USPAT	OR	ON	2016/08/05 11:02
L42	27	G02B6/$.cpc. and ((arm near3 cover$3) with (elastic or spring))	US-PGPUB; USPAT	OR	ON	2016/08/05 11:02
L43	2	G02B6/$.cpc. and ((space or hole or groove or trench or recess) near3 (elastic or spring)) same (((cover$3 near2 (space or hole or groove or trench or recess or elastic or spring)) with arm))	US-PGPUB; USPAT	OR	ON	2016/08/05 11:02
L44	23	(plug$4 or pluggable) with (optic$3 near2 transceiv$3) and (cover$3 near2 (elastic or spring))	US-PGPUB; USPAT	OR	ON	2016/08/05 11:02
L45	5	(plug$4 or pluggable) with (optic$3 near2 transceiv$3) and ((arm near3 cover$3) with (elastic or spring))	US-PGPUB; USPAT	OR	ON	2016/08/05 11:02
L46	1	(plug$4 or pluggable) with (optic$3 near2 transceiv$3) and ((limit$3 near2 space) with (elastic or spring))	US-PGPUB; USPAT	OR	ON	2016/08/05 11:02
L47	57	(39 or 40 or 41 or 42 or 43 or 44 or 45 or 46)	US-PGPUB; USPAT	OR	ON	2016/08/05 11:03
L48	0	("2015/0093083").URPN.	USPAT	OR	ON	2016/08/05 11:04

8/ 5/ 2016 11:45:49 AM
C:\ Users\ mconnellycushwa\ Documents\ EAST\ Workspaces\ 14504500.wsp

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14504500	TSAI ET AL.
	Examiner	**Art Unit**
	MICHELLE R CONNELLY	2874

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	03/24/2016	08/05/2016							
1	1	✓	=							
2	2	✓	=							
3	3	✓	=							
4	4	✓	=							
-	5	✓	-							
-	6	✓	-							
5	7	✓	=							
6	8	✓	=							
7	9	✓	=							

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Cc: PAIR_eOfficeAction@uspto.gov
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Aug 12, 2016 05:50:10 AM

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APPLIED OPTOELECTRONICS, INC.
13115 JESS PIRTLE BLVD.
SUGAR LAND, TX 77478
UNITED STATES

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Application	Document	Mailroom Date	Attorney Docket No.
14504500	NOA	08/12/2016	AOIT003

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