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United States Patent and Trademark Office
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P.O. Box 1450
Alexandria, Virginia 22313-1450
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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/819,262	11/01/2022	11487138	EVSO-012US08	6619

149890 7590 10/12/2022
SMITH BALUCH LLP
376 BOYLSTON ST
STE 401
BOSTON, MA 02116

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

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

The Patent Term Adjustment is 386 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

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 Application Assistance Unit (AAU) of the Office of Patents Stakeholder Experience (OPSE), Stakeholder Support Division (SSD) at (571)-272-4200.

INVENTOR(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional inventors):

Ronald Blum, Roanoke, VA;
Yongping Wang, Philadelphia, PA;
Mark Graham, Roanoke, VA;
William Kokonaski, Gig Harbor, WA;
Richard Clompus, Roanoke, VA;

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

e-Vision Smart Optics, Inc., Sarasola, FL;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
16/819,262	03/16/2020	Ronald Blum	EVSO-012US08

CONFIRMATION NO. 6619

POA ACCEPTANCE LETTER

149890
SMITH BALUCH LLP
376 BOYLSTON ST
STE 401
BOSTON, MA 02116



Date Mailed: 10/04/2022

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/26/2022.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/kpayne/



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/819,262	03/16/2020	Ronald Blum	EVSO-012US08	6619
149890	7590	09/29/2022	EXAMINER	
SMITH BALUCH LLP			ALEXANDER, WILLIAM R	
376 BOYLSTON ST			ART UNIT	PAPER NUMBER
STE 401			2872	
BOSTON, MA 02116			NOTIFICATION DATE	DELIVERY MODE
			09/29/2022	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):

docketing@smithbaluch.com
eofficeaction@appcoll.com
smith@smithbaluch.com

Corrected Notice of Allowability	Application No. 16/819,262	Applicant(s) Blum et al.	
	Examiner WILLIAM R ALEXANDER	Art Unit 2872	AIA (FITF) Status No

-- 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 9/16/2022.
☐ 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 1-6 and 8-21. 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 _____
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/WILLIAM R ALEXANDER/ Primary Examiner, Art Unit 2872	
--	--

DETAILED ACTION

Notice of Pre-AIA or AIA Status

The present application is being examined under the pre-AIA first to invent provisions.

Response to Arguments

Applicant's arguments (filed 9/16/2022, page 5) have been fully considered and are persuasive.

Reasons for Allowance/Examiner's Comments

Claims 1-6 and 8-21 are allowed.

The following is a statement of reasons for the indication of allowable subject matter: with respect to the allowable subject matter, none of the prior art either alone or in combination disclose or teach of the claimed combination of limitations to warrant a rejection under 35 USC 102 or 103.

Specifically regarding the allowability of amended independent **claim 1**: The prior art of record does not disclose or suggest eyewear comprising "... by searching the Internet for the response to the verbal query.", along with other claim limitations, is not disclosed or suggested by the prior art of record. Claims 2-4 and 21 are allowable due to pendency on amended independent claim 1.

Specifically regarding the allowability of amended independent **claim 5**: The prior art of record does not disclose or suggest eyewear comprising "... the verbal query causing the external device to search the internet for a response to the verbal query ...", along with other claim limitations, is not disclosed or suggested by the prior art of

record. Claims 6 and 8-11 are allowable due to pendency on amended independent claim 5.

Specifically regarding the allowability of amended independent **claim 12**: The prior art of record does not disclose or suggest eyewear comprising "... wherein the verbal query causes the external device to obtain the response to the verbal query by searching the Internet for the response to the verbal query.", along with other claim limitations, is not disclosed or suggested by the prior art of record. Claims 13-20 are allowable due to pendency on amended independent claim 12.

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 WILLIAM R ALEXANDER whose telephone number is (571)270-7656. The examiner can normally be reached on M-F 8:30 AM- 4:00 PM.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Mack can be reached on 571-272-2333. 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.

/WILLIAM R ALEXANDER/
Primary Examiner, Art Unit 2872

Issue Classification 	Application/Control No. 16/819,262	Applicant(s)/Patent Under Reexamination Blum et al.
	Examiner WILLIAM R ALEXANDER	Art Unit 2872

CPC						
Symbol					Type	Version
G02C	/	11	/	10	F	2013-01-01
G02C	/	11	/	06	I	2013-01-01
G02C	/	7	/	081	I	2013-01-01
G02C	/	11	/	04	I	2013-01-01
G05B	/	15	/	02	I	2013-01-01
G06K	/	19	/	0715	I	2013-01-01
G06K	/	19	/	07762	I	2013-01-01
A61F	/	9	/	061	A	2013-01-01

CPC Combination Sets				
Symbol	Type	Set	Ranking	Version
/				

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	20	
/WILLIAM R ALEXANDER/ Primary Examiner, Art Unit 2872	27 September 2022	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	3, 14

Issue Classification 	Application/Control No. 16/819,262	Applicant(s)/Patent Under Reexamination Blum et al.
	Examiner WILLIAM R ALEXANDER	Art Unit 2872

INTERNATIONAL CLASSIFICATION			
CLAIMED			
G02C	/	11	/ 00
NON-CLAIMED			
/	/		

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS
351	158

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

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	20	
/WILLIAM R ALEXANDER/ Primary Examiner, Art Unit 2872	27 September 2022	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	3, 14

Issue Classification 	Application/Control No. 16/819,262	Applicant(s)/Patent Under Reexamination Blum et al.
	Examiner WILLIAM R ALEXANDER	Art Unit 2872

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47															
CLAIMS															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	10	10	19	19										
2	2	11	11	20	20										
3	3	12	12	5	21										
4	4	13	13												
6	5	14	14												
7	6	15	15												
	7	16	16												
8	8	17	17												
9	9	18	18												

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 20	
/WILLIAM R ALEXANDER/ Primary Examiner, Art Unit 2872 (Primary Examiner) _____ (Date) 27 September 2022		O.G. Print Claim(s) 1	O.G. Print Figure 3, 14

POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

☒ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above:

149890

OR

☐ I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

☒ The address associated with the above-mentioned Customer Number

OR

☐ The address associated with Customer Number:

OR

☐ Firm or Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

e-Vision Smart Optics, Inc.

- ☐ Inventor or Joint Inventor (title not required below)
- ☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)
- ☒ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)
- ☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature

Joel Zychick

Date (Optional)

6/11/2018 11:33:14 AM PDT

Name

Joel Zychick

Title

president

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

☐ Total of forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. 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 1.11 and 1.14. This collection is estimated to take 3 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.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (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)

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.

149890 7590 09/15/2022
SMITH BALUCH LLP
376 BOYLSTON ST
STE 401
BOSTON, MA 02116

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 transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/819,262	03/16/2020	Ronald Blum	EVSO-012US08	6619

TITLE OF INVENTION: EYEWEAR DOCKING STATION AND ELECTRONIC MODULE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	12/15/2022

EXAMINER	ART UNIT	CLASS-SUBCLASS
ALEXANDER, WILLIAM R	2872	351-158000

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/AIA/122 or PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or 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 Smith Baluch LLP

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 must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

e-Vision Smart Optics, Inc.

Sarasota, FL

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

4a. Fees submitted: ☒ Issue Fee ☐ Publication Fee (if required) ☐ Advance Order - # of Copies _____

4b. Method of Payment: (Please first reapply any previously paid fee shown above)

☒ Electronic Payment via EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

5. Change in Entity Status (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

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.

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.

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 /Jasmine M Wallas/

Date September 26, 2022

Typed or printed name Jasmine M Wallas

Registration No. 79486



ELECTRONIC PAYMENT RECEIPT

APPLICATION #
16/819,262

RECEIPT DATE / TIME
09/26/2022 05:49:48 PM ET

ATTORNEY DOCKET #
EVSO-012US08

Title of Invention

EYEWEAR DOCKING STATION AND ELECTRONIC MODULE

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 6619

FILED BY Marie Spakowski

PATENT CENTER # 61005891

AUTHORIZED BY Jasmine Wallas

CUSTOMER # 149890

FILING DATE 03/16/2020

CORRESPONDENCE
ADDRESS -

FIRST NAMED
INVENTOR Ronald Blum

Payment Information

PAYMENT METHOD
CARD / 1006

PAYMENT TRANSACTION ID
E20229PH51200255

PAYMENT AUTHORIZED BY
Marie Spakowski

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
1501	UTILITY ISSUE FEE	1200.00	1	1200.00
TOTAL AMOUNT:				\$1,200.00

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 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.



ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
16/819,262

RECEIPT DATE / TIME
09/26/2022 05:49:48 PM ET

ATTORNEY DOCKET #
EVSO-012US08

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CONFIRMATION # 6619

FILED BY Marie Spakowski

PATENT CENTER # 61005891

FILING DATE 03/16/2020

CUSTOMER # 149890

FIRST NAMED
INVENTOR Ronald Blum

CORRESPONDENCE
ADDRESS -

AUTHORIZED BY Jasmine Wallas

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
EVSO-012US08_Issue_Fee_Transmittal.pdf	1	Issue Fee Payment (PTO-85B)	151 KB
e-Vision_Smart_Optics_POA_Signature_Page.pdf	1	Power of Attorney	1002 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
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EVSO-	1BC483E1E3EB8826CA3CF9D5EE3B1C280DEE57F3A8B7F32D
012US08_Issue_Fee_Transmitt	6773A1339EE361EA7A27C8E96B3DFC7C3D708FBC025563BC4
al.pdf	A6968853103BEECD7B12545D77F0735

e-	8C6D9F94F974C330E38AB9BFA7168ACBA0342A6AC4E47DDA
Vision_Smart_Optics_POA_Sig	DF1ECCEA411F20C63A96AC4202CF717F1CA1864BCE1BD0B5
nature_Page.pdf	C3D8611102918C6A3341A0A269540FBC

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New Applications Under 35 U.S.C. 111

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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.



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.
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149890	7590	09/26/2022	EXAMINER	
SMITH BALUCH LLP			ALEXANDER, WILLIAM R	
376 BOYLSTON ST			ART UNIT	
STE 401			PAPER NUMBER	
BOSTON, MA 02116			2872	
			NOTIFICATION DATE	
			DELIVERY MODE	
			09/26/2022	
			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):

docketing@smithbaluch.com
eofficeaction@apcoll.com
smith@smithbaluch.com

OK TO ENTER: /W.R.A/

Docket No. EVSO-012US08

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Blum et al.

Application No. 16/819,262

Filed: 2020-03-16

Confirmation No. 6619

Art Unit: 2872

Examiner: ALEXANDER, WILLIAM R

Title: EYEWEAR DOCKING STATION AND ELECTRONIC MODULE

AMENDMENT AFTER ALLOWANCE

In response to the Notice of Allowance issued on September 15, 2022, to which the deadline for responding is December 15, 2022, Applicant submits the following Amendments and Remarks, and respectfully requests reconsideration of the application in view thereof.

Amendments to the Claims are reflected in the listing of the claims which begins on page 2 of this paper.

Remarks begin on page 5 of this paper.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Amendments to the Claims are reflected in the listing of the claims which begins on page 2 of this paper.

Remarks begin on page 5 of this paper.

IN THE CLAIMS:

Set forth below in ascending order, with status identifiers, is a complete listing of all claims currently under examination. Changes to any amended claims are indicated by [[double brackets]], ~~striketrough~~, and/or underlining. This listing also reflects any cancellation and/or addition of claims.

1. (Previously Presented) Eyewear comprising:
an eyewear frame having a first temple and a second temple;
a speaker coupled to the eyewear frame; and
an application module mechanically coupled to the eyewear frame and operably coupled to the speaker, the application module comprising:
a microphone to receive a verbal query from a wearer of the eyewear; and
a Bluetooth chip, operably coupled to the microphone and the speaker, to connect to a Bluetooth-enabled external device, to transmit the verbal query to the Bluetooth-enabled external device, to receive a response to the verbal query from the Bluetooth-enabled external device, and to provide the response to the wearer via the speaker,
wherein the verbal query causes the Bluetooth-enabled external device to obtain the response to the verbal query via the Internet by searching the Internet for the response to the verbal query.
2. (Previously Presented) The eyewear of claim 1, wherein the Bluetooth-enabled external device is configured to control an external audio device based at least in part on an instruction from the wearer.
3. (Previously Presented) The eyewear of claim 1, wherein the Bluetooth-enabled external device is configured to control an external video device based at least in part on an instruction from the wearer.
4. (Previously Presented) The eyewear of claim 1, wherein the Bluetooth-enabled external device is configured to control light and/or temperature in an environment of the wearer based at least in part on preferences of the wearer.
5. (Currently Amended) A method comprising:

receiving, by a microphone mechanically coupled to an eyewear frame, a verbal query from a person wearing the eyewear frame;

transmitting, by a wireless chip mechanically coupled to the eyewear frame and operably coupled to the microphone, the verbal query to an external device, the verbal query causing the external device to search the internet for a response to the verbal query;

receiving, by the wireless chip, the response to the verbal query from the external device; and

providing the response to the verbal query to the ~~wearer~~ person wearing the eyewear frame via a speaker operably coupled to the wireless chip.

6. (Original) The method of claim 5, wherein the verbal query is a query about weather and the response to the verbal query includes information about the weather.

7. (Cancelled)

8. (Original) The method of claim 5, wherein the wireless chip is a Bluetooth wireless chip, and further comprising:

pairing the Bluetooth wireless chip with the external device before transmitting the verbal query to the external device.

9. (Previously Presented) The method of claim 5, further comprising:

controlling light in an environment of the person wearing the eyewear frame based at least in part on preferences of the person wearing the eyewear frame.

10. (Previously Presented) The method of claim 5, further comprising:

controlling a temperature of an environment of the person wearing the eyewear frame based at least in part on preferences of the person wearing the eyewear frame.

11. (Currently Amended) The ~~eyewear~~ method of claim 5, wherein the external device is at least one of a cell phone, a smart phone, a computer, an iPad, and/or a tablet.

12. (Previously Presented) Eyewear comprising:

an eyewear frame having a first temple and a second temple; and

an application module mechanically coupled to the eyewear frame and operably coupled to a speaker, the application module comprising:

a microphone to receive a verbal query from a wearer of the eyewear; and
a processor, operably coupled to the microphone and the speaker, to transmit the verbal query to an external device, receive a response to the verbal query from the external device, and provide the response to the wearer via the speaker,
wherein the verbal query causes the external device to obtain the response to the verbal query by searching the Internet for the response to the verbal query.

13. (Original) The eyewear of claim 12, wherein the external device is a smart phone.
14. (Original) The eyewear of claim 13, wherein the application module further comprises a wireless chip, operably coupled to the processor, to wirelessly transmit the verbal query to the external device.
15. (Original) The eyewear of claim 14, wherein the wireless chip is a Bluetooth chip.
16. (Original) The eyewear of claim 12, wherein the external device is a computer.
17. (Original) The eyewear of claim 12, wherein the verbal query includes a query about the weather.
18. (Original) The eyewear of claim 17, wherein a response to the query includes information about the weather.
19. (Previously Presented) The eyewear of claim 12, wherein the external device is configured to control an external audio device based at least in part on an instruction from the wearer.
20. (Previously Presented) The eyewear of claim 12, wherein the external device is configured to control an external video device based at least in part on an instruction from the wearer.
21. (Previously Presented) The eyewear of claim 1, wherein the application module further comprises:
a voice recognition chip operably coupled to the microphone and the Bluetooth chip.

REMARKS

Applicant is correcting informalities in dependent claims 5 and 11. This amendment does not affect the scope of the claims. Hence, the present application should remain in condition for allowance with entry of this amendment.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

Dated: September 16, 2022

Respectfully submitted,

Smith Baluch LLP
376 Boylston St, Suite 401
Boston MA 02116

By /Jasmine M Wallas/
Jasmine M Wallas
Registration No. 79486

Phone: (917) 328-9842



ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
16/819,262

RECEIPT DATE / TIME
09/16/2022 11:50:07 AM ET

ATTORNEY DOCKET #
EVSO-012US08

Title of Invention

EYEWEAR DOCKING STATION AND ELECTRONIC MODULE

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 6619

FILED BY Jasmine Wallas

PATENT CENTER # 60974465

FILING DATE 03/16/2020

CUSTOMER # 149890

FIRST NAMED
INVENTOR Ronald Blum

CORRESPONDENCE
ADDRESS -

AUTHORIZED BY Jasmine Wallas

Documents

TOTAL DOCUMENTS: 3

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
EVSO- 012US08_312_Amendment.p df	5	-	188 KB
EVSO- (1-1) 012US08_312_Amendment- A.NA.pdf	1	Amendment after Notice of Allowance (Rule 312)	93 KB
EVSO- (2-4) 012US08_312_Amendment- CLM.pdf	3	Claims	157 KB
EVSO- (5-5) 012US08_312_Amendment- REM.pdf	1	Applicant Arguments/Remarks Made in an Amendment	93 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
EVSO- 012US08__312__Amendment.pdf	33E86B87D39506BB44AA438E53B88198316D37DA9F2C426312 478CF30CE0586037F84063E3888A5BCD4BDE82890994BD71E F307C1E22D2115368A7E16BACB932
EVSO- 012US08__312__Amendment- A.NA.pdf	9F99BE062E7A522C49AE2CC020F5C0F3145097F0F24016338B 206923F5917394F11361D1D45094718F3D072E0A7592881746C 3383AB0276AEDE03C03BE87DDEF
EVSO- 012US08__312__Amendment- CLM.pdf	B2D67DB27639DD832C7B6B2AA7B1E42A53B44F84F12AB93B AB5CA43A09172F931D7BC6265D5515D4434801EBFA13286187 9BFC5089F62E1A4FB26F9CF7DC2F9E
EVSO- 012US08__312__Amendment- REM.pdf	722D5F033C55A79545735353246F7E1509D619402AB06C7BEB 025803B133617CA025EC2F39934D936AABFBF601B4CB938CE 125FE767EE0C37B754CD5F21CC42F

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 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.



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

NOTICE OF ALLOWANCE AND FEE(S) DUE

149890 7590 09/15/2022
SMITH BALUCH LLP
376 BOYLSTON ST
STE 401
BOSTON, MA 02116

EXAMINER

ALEXANDER, WILLIAM R

ART UNIT

PAPER NUMBER

2872

DATE MAILED: 09/15/2022

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/819,262	03/16/2020	Ronald Blum	EVSO-012US08	6619

TITLE OF INVENTION: EYEWEAR DOCKING STATION AND ELECTRONIC MODULE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	12/15/2022

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. 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: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (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)

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.

149890 7590 09/15/2022
SMITH BALUCH LLP
376 BOYLSTON ST
STE 401
BOSTON, MA 02116

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 transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/819,262	03/16/2020	Ronald Blum	EVSO-012US08	6619

TITLE OF INVENTION: EYEWEAR DOCKING STATION AND ELECTRONIC MODULE

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	12/15/2022

EXAMINER	ART UNIT	CLASS-SUBCLASS
ALEXANDER, WILLIAM R	2872	351-158000

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/AIA/122 or PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or 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,

1 _____

(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.

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 must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). 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. Fees submitted: ☐ Issue Fee ☐ Publication Fee (if required) ☐ Advance Order - # of Copies _____

4b. Method of Payment: (Please first reapply any previously paid fee shown above)

☐ Electronic Payment via EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

5. Change in Entity Status (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

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.

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.

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. _____



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/819,262	03/16/2020	Ronald Blum	EVSO-012US08	6619
149890	7590	09/15/2022	EXAMINER	
SMITH BALUCH LLP			ALEXANDER, WILLIAM R	
376 BOYLSTON ST			ART UNIT	
STE 401			PAPER NUMBER	
BOSTON, MA 02116			2872	

DATE MAILED: 09/15/2022

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 30 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.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
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. 16/819,262	Applicant(s) Blum et al.	
	Examiner WILLIAM R ALEXANDER	Art Unit 2872	AIA (FITF) Status No

-- 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 9/6/22.
☐ 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 1-21. 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 _____.
--	--

/WILLIAM R ALEXANDER/
Primary Examiner, Art Unit 2872

DETAILED ACTION

Notice of Pre-AIA or AIA Status

The present application is being examined under the pre-AIA first to invent provisions.

Response to Arguments

Applicant's arguments (filed 9/6/2022, pages 6-9) have been fully considered and are persuasive. Accordingly, the 103 rejection of claims 1-20 have been withdrawn by examiner.

Reasons for Allowance/Examiner's Comments

Claims 1-21 are allowed.

The following is a statement of reasons for the indication of allowable subject matter: with respect to the allowable subject matter, none of the prior art either alone or in combination disclose or teach of the claimed combination of limitations to warrant a rejection under 35 USC 102 or 103.

Specifically regarding the allowability of amended independent **claim 1**: The prior art of record does not disclose or suggest eyewear comprising "... by searching the Internet for the response to the verbal query.", along with other claim limitations, is not disclosed or suggested by the prior art of record. Claims 2-4 and 21 are allowable due to pendency on amended independent claim 1.

Specifically regarding the allowability of amended independent **claim 5**: The prior art of record does not disclose or suggest eyewear comprising "... the verbal query causing the external device to search the internet for a response to the verbal query ...",

along with other claim limitations, is not disclosed or suggested by the prior art of record. Claims 6-11 are allowable due to pendency on amended independent claim 5.

Specifically regarding the allowability of amended independent **claim 12**: The prior art of record does not disclose or suggest eyewear comprising "... wherein the verbal query causes the external device to obtain the response to the verbal query by searching the Internet for the response to the verbal query.", along with other claim limitations, is not disclosed or suggested by the prior art of record. Claims 13-20 are allowable due to pendency on amended independent claim 12.

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 WILLIAM R ALEXANDER whose telephone number is (571)270-7656. The examiner can normally be reached on M-F 8:30 AM- 4:00 PM.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Mack can be reached on 571-272-2333. 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.

/WILLIAM R ALEXANDER/
Primary Examiner, Art Unit 2872

Issue Classification 	Application/Control No. 16/819,262	Applicant(s)/Patent Under Reexamination Blum et al.
	Examiner WILLIAM R ALEXANDER	Art Unit 2872

CPC						
Symbol					Type	Version
G02C	/	11	/	10	F	2013-01-01
G02C	/	11	/	06	I	2013-01-01
G02C	/	7	/	081	I	2013-01-01
G02C	/	11	/	04	I	2013-01-01
G05B	/	15	/	02	I	2013-01-01
G06K	/	19	/	0715	I	2013-01-01
G06K	/	19	/	07762	I	2013-01-01
A61F	/	9	/	061	A	2013-01-01

CPC Combination Sets				
Symbol	Type	Set	Ranking	Version
/				

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 21	
/WILLIAM R ALEXANDER/ Primary Examiner, Art Unit 2872 (Primary Examiner) _____ (Date) 12 September 2022		O.G. Print Claim(s) 1	O.G. Print Figure 3, 14

Issue Classification 	Application/Control No. 16/819,262	Applicant(s)/Patent Under Reexamination Blum et al.
	Examiner WILLIAM R ALEXANDER	Art Unit 2872

INTERNATIONAL CLASSIFICATION			
CLAIMED			
G02C	/	11	/ 00
NON-CLAIMED			
/	/		

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS
351	158

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

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	21	
/WILLIAM R ALEXANDER/ Primary Examiner, Art Unit 2872	12 September 2022	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	3, 14

Issue Classification 	Application/Control No. 16/819,262	Applicant(s)/Patent Under Reexamination Blum et al.
	Examiner WILLIAM R ALEXANDER	Art Unit 2872

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

CLAIMS															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	11	10	20	19										
2	2	12	11	21	20										
3	3	13	12	5	21										
4	4	14	13												
6	5	15	14												
7	6	16	15												
8	7	17	16												
9	8	18	17												
10	9	19	18												

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 21	
/WILLIAM R ALEXANDER/ Primary Examiner, Art Unit 2872 (Primary Examiner) _____ (Date) 12 September 2022		O.G. Print Claim(s) 1	O.G. Print Figure 3, 14

<i>Search Notes</i> 	Application/Control No. 16/819,262	Applicant(s)/Patent Under Reexamination Blum et al.
	Examiner WILLIAM R ALEXANDER	Art Unit 2872

CPC - Searched*		
Symbol	Date	Examiner
G02C7/081	06/02/2022	WA
G05B15/02	06/02/2022	WA
A61F9/061	06/02/2022	WA
G02C11/10, 04, 06	06/02/2022	WA
G06K19/0715, 07762	06/02/2022	WA
Updated	09/12/2022	WA

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
351	158	06/02/2022	WA
	Updated	09/12/2022	WA

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
CPC:G02C11/10, 04, 06,G02C7/081,G05B15/02,G06K19/0715, 07762,A61F9/061,USPC: 351/158, USPC/CPC combined with Text Search. See search history Printout.	06/02/2022	WA
PE2E Search-Text Search. See Search History Printout.Inventor Search-PE2E Search. See Search History Printout.Applicant Search-PE2E Search. See Search History Printout.	06/02/2022	WA
Updated	09/12/2022	WA

/WILLIAM R ALEXANDER/ Primary Examiner, Art Unit 2872	
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<i>Search Notes</i> 	Application/Control No. 16/819,262	Applicant(s)/Patent Under Reexamination Blum et al.
	Examiner WILLIAM R ALEXANDER	Art Unit 2872

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
	PGPub/USPAT. East Search-Claim Text Search. See Interference Search Printout.	09/12/2022	WA

/WILLIAM R ALEXANDER/ Primary Examiner, Art Unit 2872	
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PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	1	"16819262"	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 07:44 AM
L2	8164	(eyewear OR spectacles OR eye\$wear OR eye\$glasses OR eyeglasses OR goggles OR (head\$ near3 up)) AND frame AND speaker AND microphone AND (blue\$tooth OR bluetooth) AND ((verbal OR audio) near20 (command\$3 OR query OR instruction\$3)) AND ((cell ADJ phone) OR (smart ADJ phone) OR (mobile ADJ device))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 11:02 AM
L3	593	L2 AND @pd<"20120106"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 11:04 AM
L4	222	L2 AND @pd<"20120106"	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 11:04 AM
L5	24	L4 AND (verbal\$3 near10 (query OR command OR instructions))	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 11:13 AM
L6	6	L4 AND (verbal\$3 near10 (query OR command OR instructions)) AND (verbal\$3 near10 (internet OR web))	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 01:17 PM
L8	51	L2 AND (verbal\$3 near10 (query OR command OR instructions)) AND	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 01:49 PM

		(verbal\$3 near10 (internet OR web))					
L9	6	L8 AND @pd<"20120106"	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 01:50 PM
L10	1	"20100045928"	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 04:51 PM
L11	2	"20060132382"	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 05:24 PM
L12	2	"20090251409"	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 06:21 PM
L13	51	L2 AND (verbal\$3 near10 (query OR command OR instructions)) AND (verbal\$3 near10 (internet OR web)) AND query	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 06:22 PM
L14	15	L2 AND (verbal\$3 near10 (query OR command OR instructions)) AND (verbal\$3 near10 (internet OR web)) AND (query near10 (internet OR web))	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 06:22 PM
L15	48	L2 AND (verbal\$3 near10 (query OR command OR instructions)) AND (query near10 (internet OR web))	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 06:23 PM
L16	213	L2 AND (query near10 (internet OR web))	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 06:24 PM
L17	5	L16 AND @pd<"20120106"	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 06:25 PM
L18	51	L2 AND (verbal\$3 near10 (question OR search OR query OR command OR instructions)) AND (verbal\$3 near10 (internet OR web)) AND (return OR response OR answer)	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 06:29 PM
L19	6	L18 AND @pd<"20120106"	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 06:30 PM
L20	13286	G02C11/10.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2022/05/31 07:19 PM

			IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L21	2439	G02C11/04.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 07:20 PM
L22	2443	G02C11/06.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 07:20 PM
L23	1885	G02C7/081.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 07:20 PM

L24	95202	G05B15/02.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 07:21 PM
L25	2892	G06K19/0715.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 07:21 PM
L26	3520	G06K19/07762.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 07:22 PM
L27	1386	A61F9/061.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	OR	ON	ON	2022/05/31 07:22 PM

			NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L28	1403	351/158.ccls.	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 07:23 PM
L29	122281	L20 L21 L22 L23 L24 L25 L26 L27 L28	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 07:23 PM
L30	8330	(sunglasses OR eyewear OR spectacles OR eye\$wear OR eye\$glasses OR eyeglasses OR goggles OR (head\$ near3 up)) AND frame AND speaker AND microphone AND (blue\$tooth OR bluetooth) AND ((verbal OR audio) near20 (command\$3 OR query OR instruction\$3)) AND ((cell ADJ phone) OR (smart ADJ phone) OR (mobile ADJ device))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 07:24 PM
L31	415	L29 AND L30	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO;	OR	ON	ON	2022/05/31 07:25 PM

			JPO; DERWENT; IBM_TDB)				
L32	62	L31 AND @pd<"20120106"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 07:25 PM
L33	45	L31 AND @pd<"20120106"	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 07:25 PM
L34	1390	((("BLUM") near3 ("Ronald")) OR (("WANG") near3 ("Yongping")) OR (("GRAHAM") near3 ("Mark")) OR (("KOKONASKI") near3 ("William")) OR (("CLOMPUS") near3 ("Richard"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/05/31 07:28 PM
L35	56	((("E-VISION") near3 ("SMART") near3 ("OPTICS") near3 ("INC"))).AS,AANM.	(USPAT)	OR	ON	ON	2022/05/31 07:29 PM
L36	225	((("E-VISION") near3 ("SMART") near3 ("OPTICS") near3 ("INC"))).AS,AANM.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 07:30 PM
L37	1517	L34 L36	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/05/31 07:30 PM
L38	35	L30 AND L37	(US-PGPUB; USPAT; USOCR; EPO; JPO;	OR	ON	ON	2022/05/31 07:31 PM

			DERWENT)				
L39	2	L38 AND (verbal ADJ query) AND response	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/05/31 07:33 PM
L40	19	"20080001735"	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/01 10:41 AM
L41	1	"20080001735".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/01 10:42 AM
L42	184	(sunglasses OR eyewear OR spectacles OR eye\$wear OR eye\$glasses OR eyeglasses OR goggles OR (head\$ near3 up)) AND frame AND speaker AND microphone AND (blue\$tooth OR bluetooth) AND ((verbal OR audio) near20 (command\$3 OR query OR instruction\$3)) AND ((cell ADJ phone) OR (smart ADJ phone) OR (mobile ADJ device)) AND ((verbal OR voice) near16 weather)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 11:55 AM
L43	101	(sunglasses OR eyewear OR spectacles OR eye\$wear OR eye\$glasses OR eyeglasses OR goggles OR (head\$ near3 up)) AND frame AND speaker AND microphone AND (blue\$tooth OR bluetooth) AND ((verbal OR audio) near20 (command\$3 OR query OR instruction\$3)) AND ((cell ADJ phone) OR (smart ADJ phone) OR (mobile ADJ device)) AND ((verbal OR voice) near16 weather)	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/01 11:56 AM
L44	1	"20040181404".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/01 12:02 PM
L45	1	"20040235416".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/01 12:02 PM
L46	110	(sunglasses OR eyewear OR spectacles OR eye\$wear OR eye\$glasses OR eyeglasses OR goggles	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/01 12:51 PM

		OR (head\$ near3 up)) AND frame AND speaker AND microphone AND (blue\$tooth OR bluetooth) AND ((verbal OR audio) near20 (command\$3 OR query OR instruction\$3)) AND ((cell ADJ phone) OR (smart ADJ phone) OR (mobile ADJ device)) AND ((verbal OR voice) near20 (search\$3 near10 (web OR internet)))					
L47	139	(sunglasses OR eyewear OR spectacles OR eye\$wear OR eye\$glasses OR eyeglasses OR goggles OR (head\$ near3 up)) AND frame AND speaker AND microphone AND (blue\$tooth OR bluetooth) AND ((cell ADJ phone) OR (smart ADJ phone) OR (mobile ADJ device)) AND ((verbal OR voice) near20 (search\$3 near10 (web OR internet)))	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/01 01:04 PM
L48	29	L47 NOT L46	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/01 01:05 PM
L49	1	"16819262"	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L50	8641	(eyewear OR spectacles OR eye\$wear OR eye\$glasses OR eyeglasses OR goggles OR (head\$ near3 up)) AND frame AND speaker AND microphone AND (blue\$tooth OR bluetooth) AND ((verbal OR audio) near20 (command\$3 OR query OR instruction\$3)) AND ((cell ADJ phone) OR (smart ADJ phone) OR (mobile ADJ device))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/12 08:17 AM
L51	593	L2 AND	(US-PGPUB; USPAT;	OR	ON	ON	2022/09/12

		@pd<"20120106"	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				08:17 AM
L52	222	L2 AND @pd<"20120106"	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L53	24	L4 AND (verbal\$3 near10 (query OR command OR instructions))	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L54	6	L4 AND (verbal\$3 near10 (query OR command OR instructions)) AND (verbal\$3 near10 (internet OR web))	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L55	51	L2 AND (verbal\$3 near10 (query OR command OR instructions)) AND (verbal\$3 near10 (internet OR web))	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L56	6	L8 AND @pd<"20120106"	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L57	1	"20100045928"	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L58	2	"20060132382"	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L59	2	"20090251409"	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L60	51	L2 AND (verbal\$3 near10 (query OR command OR instructions)) AND (verbal\$3 near10 (internet OR web)) AND query	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L61	15	L2 AND (verbal\$3 near10 (query OR command OR instructions)) AND (verbal\$3 near10 (internet OR web)) AND	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM

		(query near10 (internet OR web))					
L62	50	L2 AND (verbal\$3 near10 (query OR command OR instructions)) AND (query near10 (internet OR web))	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L63	233	L2 AND (query near10 (internet OR web))	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L64	5	L16 AND @pd<"20120106"	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L65	51	L2 AND (verbal\$3 near10 (question OR search OR query OR command OR instructions)) AND (verbal\$3 near10 (internet OR web)) AND (return OR response OR answer)	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L66	6	L18 AND @pd<"20120106"	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L67	13978	G02C11/10.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/12 08:17 AM
L68	2542	G02C11/04.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/12 08:17 AM

L69	2525	G02C11/06.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/12 08:17 AM
L70	1948	G02C7/081.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/12 08:17 AM
L71	98347	G05B15/02.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/12 08:17 AM
L72	2953	G06K19/0715.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	OR	ON	ON	2022/09/12 08:17 AM

			NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L73	3629	G06K19/07762.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/12 08:17 AM
L74	1428	A61F9/061.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/12 08:17 AM
L75	1403	351/158.ccls.	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L76	126434	L20 L21 L22 L23 L24 L25 L26 L27 L28	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2022/09/12 08:17 AM

			IBM_TDB)				
L77	8808	(sunglasses OR eyewear OR spectacles OR eye\$wear OR eye\$glasses OR eyeglasses OR goggles OR (head\$ near3 up)) AND frame AND speaker AND microphone AND (blue\$tooth OR bluetooth) AND ((verbal OR audio) near20 (command\$3 OR query OR instruction\$3)) AND ((cell ADJ phone) OR (smart ADJ phone) OR (mobile ADJ device))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/12 08:17 AM
L78	422	L29 AND L30	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/12 08:17 AM
L79	62	L31 AND @pd<"20120106"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/12 08:17 AM
L80	45	L31 AND @pd<"20120106"	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L81	1399	((("BLUM") near3 ("Ronald")) OR (("WANG") near3 ("Yongping"))) OR	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/09/12 08:17 AM

		((("GRAHAM") near3 ("Mark")) OR ((("KOKONASKI") near3 ("William")) OR ((("CLOMPUS") near3 ("Richard"))).INV.					
L82	59	((("E-VISION") near3 ("SMART") near3 ("OPTICS") near3 ("INC"))).AS,AANM.	(USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L83	232	((("E-VISION") near3 ("SMART") near3 ("OPTICS") near3 ("INC"))).AS,AANM.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/12 08:17 AM
L84	1532	L34 L36	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/09/12 08:17 AM
L85	36	L30 AND L37	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/09/12 08:17 AM
L86	2	L38 AND (verbal ADJ query) AND response	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/09/12 08:17 AM
L87	22	"20080001735"	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L88	1	"20080001735".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L89	231	(sunglasses OR eyewear OR spectacles OR eye\$wear OR eye\$glasses OR eyeglasses OR goggles OR (head\$ near3 up)) AND frame AND speaker AND microphone AND (blue\$tooth OR bluetooth) AND ((verbal OR audio) near20 (command\$3 OR query OR instruction\$3)) AND ((cell ADJ phone) OR (smart ADJ phone) OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/09/12 08:17 AM

		(mobile ADJ device)) AND ((verbal OR voice) near16 weather)					
L90	105	(sunglasses OR eyewear OR spectacles OR eye\$wear OR eye\$glasses OR eyeglasses OR goggles OR (head\$ near3 up)) AND frame AND speaker AND microphone AND (blue\$tooth OR bluetooth) AND ((verbal OR audio) near20 (command\$3 OR query OR instruction\$3)) AND ((cell ADJ phone) OR (smart ADJ phone) OR (mobile ADJ device)) AND ((verbal OR voice) near16 weather)	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L91	1	"20040181404".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L92	1	"20040235416".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L93	129	(sunglasses OR eyewear OR spectacles OR eye\$wear OR eye\$glasses OR eyeglasses OR goggles OR (head\$ near3 up)) AND frame AND speaker AND microphone AND (blue\$tooth OR bluetooth) AND ((verbal OR audio) near20 (command\$3 OR query OR instruction\$3)) AND ((cell ADJ phone) OR (smart ADJ phone) OR (mobile ADJ device)) AND ((verbal OR voice) near20 (search\$3 near10 (web OR internet)))	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L94	158	(sunglasses OR eyewear OR spectacles OR eye\$wear OR eye\$glasses OR eyeglasses OR goggles OR (head\$ near3 up)) AND frame AND speaker AND microphone AND	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM

		(blue\$tooth OR bluetooth) AND ((cell ADJ phone) OR (smart ADJ phone) OR (mobile ADJ device)) AND ((verbal OR voice) near20 (search\$3 near10 (web OR internet)))					
L95	29	L47 NOT L46	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:17 AM
L96	2	((eyewear ADJ frame) AND speaker AND microphone AND (bluetooth ADJ chip) AND (verbal ADJ query)).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:24 AM
L97	1	((eyewear ADJ frame) AND speaker AND microphone AND (bluetooth ADJ chip) AND (internet near10 (verbal ADJ query))).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:28 AM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N1	1	((eyewear ADJ frame) AND speaker AND microphone AND (bluetooth ADJ chip) AND (internet near10 (verbal ADJ query))).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2022/09/12 08:29 AM

Bibliographic Data

Application No: 16/819,262

Foreign Priority claimed: ☐ Yes ☒ No

35 USC 119 (a-d) conditions met: ☐ Yes ☒ No ☐ Met After Allowance

Verified and Acknowledged:

/WILLIAM R ALEXANDER/

Examiner's Signature

Initials

Title:

EYEWEAR DOCKING STATION AND ELECTRONIC MODULE

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
03/16/2020	351	2872	EVSO-012US08
RULE			

APPLICANTS

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Mark Graham, Roanoke, VA, UNITED STATES

William Kokonaski, Gig Harbor, WA, UNITED STATES

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CONTINUING DATA

This application is a CON of 15975353 05/09/2018 PAT 10598960

15975353 is a CON of 14808239 07/24/2015 PAT 10114235

14808239 is a CON of 13735887 01/07/2013 PAT 9122083

13735887 has PRO of 61640425 04/30/2012

13735887 has PRO of 61638150 04/25/2012

13735887 has PRO of 61622092 04/10/2012

13735887 has PRO of 61583940 01/06/2012

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

03/27/2020

STATE OR COUNTRY

UNITED STATES

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\$1,720

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Blum et al.

Application No. 16/819,262

Filed: 2020-03-16

Confirmation No. 6619

Art Unit: 2872

Examiner: ALEXANDER, WILLIAM R

Title: EYEWEAR DOCKING STATION AND ELECTRONIC MODULE

AMENDMENT/RESPONSE TO OFFICE ACTION

In response to the Office Action dated June 6, 2022, to which the deadline for responding is September 6, 2022, Applicant submits the following Amendments and/or Remarks, and respectfully requests reconsideration of the application in view thereof.

Amendments to the Claims are reflected in the listing of the claims which begins on page 2 of this paper.

Remarks begin on page 6 of this paper.

IN THE CLAIMS:

Set forth below in ascending order, with status identifiers, is a complete listing of all claims currently under examination. Changes to any amended claims are indicated by [[double brackets]], ~~striketrough~~, and/or underlining. This listing also reflects any cancellation and/or addition of claims.

1. (Currently Amended) Eyewear comprising:
 - an eyewear frame having a first temple and a second temple;
 - a speaker coupled to the eyewear frame; and
 - an application module mechanically coupled to the eyewear frame and operably coupled to the speaker, the application module comprising:
 - a microphone to receive a verbal query from a wearer of the eyewear; and
 - a Bluetooth chip, operably coupled to the microphone and the speaker, to connect to a Bluetooth-enabled external device, to transmit the verbal query to the Bluetooth-enabled external device, to receive a response to the verbal query from the Bluetooth-enabled external device, and to provide the response to the wearer via the speaker,

wherein the verbal query causes the Bluetooth-enabled external device to obtain the response to the verbal query via the Internet by searching the Internet for the response to the verbal query.
2. (Currently Amended) The eyewear of claim 1, wherein, ~~in response to recognizing the presence of the wearer,~~ the Bluetooth-enabled external device is configured to control an external audio device based at least in part on an instruction from the wearer.
3. (Currently Amended) The eyewear of claim 1, wherein, ~~in response to recognizing the presence of the wearer,~~ the Bluetooth-enabled external device is configured to control an external video device based at least in part on an instruction from the wearer.
4. (Currently Amended) The eyewear of claim 1, wherein, ~~in response to recognizing the presence of the wearer,~~ the Bluetooth-enabled external device is configured to control light and/or temperature in an environment of the wearer based at least in part on preferences of the wearer.

5. (Currently Amended) A method comprising:
- receiving, by a microphone mechanically coupled to an eyewear frame, a verbal query from a person wearing the eyewear frame;
 - transmitting, by a wireless chip mechanically coupled to the eyewear frame and operably coupled to the microphone, the verbal query to an external device, the verbal query causing the external device to search the internet for a response to the verbal query;
 - receiving, by the wireless chip, ~~[[a]]~~ the response to the verbal query from the external device; and
 - providing the response to the verbal query to the wearer via a speaker operably coupled to the wireless chip.
6. (Original) The method of claim 5, wherein the verbal query is a query about weather and the response to the verbal query includes information about the weather.
7. (Cancelled)
8. (Original) The method of claim 5, wherein the wireless chip is a Bluetooth wireless chip, and further comprising:
- pairing the Bluetooth wireless chip with the external device before transmitting the verbal query to the external device.
9. (Currently Amended) The method of claim 5, further comprising:
- ~~in response to detecting a presence of the person wearing the eyewear frame by the external device~~, controlling light in an environment of the person wearing the eyewear frame based at least in part on preferences of the person wearing the eyewear frame.
10. (Currently Amended) The method of claim 5, further comprising:
- ~~in response to detecting a presence of the person wearing the eyewear frame by the external device~~, controlling a temperature of an environment of the person wearing the eyewear frame based at least in part on preferences of the person wearing the eyewear frame.

11. (Original) The eyewear of claim 5, wherein the external device is at least one of a cell phone, a smart phone, a computer, an iPad, and/or a tablet.
12. (Currently Amended) Eyewear comprising:
 - an eyewear frame having a first temple and a second temple; and
 - an application module mechanically coupled to the eyewear frame and operably coupled to a speaker, the application module comprising:
 - a microphone to receive a verbal query from a wearer of the eyewear; and
 - a processor, operably coupled to the microphone and the speaker, to transmit the verbal query to an external device, receive a response to the verbal query from the external device, and provide the response to the wearer via the speaker,wherein the verbal query causes the external device to obtain the response to the verbal query by searching the Internet for the response to the verbal query.
13. (Original) The eyewear of claim 12, wherein the external device is a smart phone.
14. (Original) The eyewear of claim 13, wherein the application module further comprises a wireless chip, operably coupled to the processor, to wirelessly transmit the verbal query to the external device.
15. (Original) The eyewear of claim 14, wherein the wireless chip is a Bluetooth chip.
16. (Original) The eyewear of claim 12, wherein the external device is a computer.
17. (Original) The eyewear of claim 12, wherein the verbal query includes a query about the weather.
18. (Original) The eyewear of claim 17, wherein a response to the query includes information about the weather.
19. (Currently Amended) The eyewear of claim 12, wherein, ~~in response to recognizing the presence of the wearer,~~ the ~~wireless-enabled device~~ external device is configured to control an external audio device based at least in part on an instruction from the wearer.

20. (Currently Amended) The eyewear of claim 12, wherein, ~~in response to recognizing the presence of the wearer,~~ the ~~wireless-enabled device~~ external device is configured to control an external video device based at least in part on an instruction from the wearer.
21. (New) The eyewear of claim 1, wherein the application module further comprises:
a voice recognition chip operably coupled to the microphone and the Bluetooth chip.

REMARKS

In response to the Office Action dated June 6, 2022, in the above-identified application, Applicant respectfully requests reconsideration. All of the issues raised in the Office Action have been carefully considered and are addressed in this response. The application as now presented is believed to be in allowable condition.

1. Status of the Claims and Summary of Amendments

Upon entry of this response, claims 1–6 and 8–21 will be pending in this application, of which claims 1, 5, and 12 are independent.

Independent claims 1, 5, and 12 are being amended to include the subject matter of claim 7, which is being cancelled.

Dependent claims 2–4, 9, 10, 19, and 20 are also being amended.

New dependent claim 21 is added. Support for claim 21 may be found throughout the specification and drawings, and in particular in paragraph 127 of the specification.

2. Summary of Telephone Interview with Examiner

Applicant appreciates the courtesies extended by Examiner Alexander in granting and conducting a telephone interview on August 15, 2022. In attendance for the Applicant at the interview were Applicant's representatives Christopher Max Colice and Jasmine Wallas.

During the interview, Applicant's representatives and Examiner Alexander discussed the rejection of claim 1 as unpatentable using US 2006/0132382 to Jannard in view of US 2008/0001735 to Tran. Applicant's representatives explained that the verbal query recited in claim 1 is different than Tran's medical patient eligibility and claim status inquiries described in paragraph 401 of Tran because Tran's inquiries are not verbal. Examiner Alexander explained that the rejection of this limitation in claim 1 treats "verbal" and "query" as two separate concepts and uses Jannard's disclosure of a verbal command and Tran's disclosure of an inquiry.

Applicant's representatives and Examiner Alexander also discussed the rejection of claim 7, which recites searching the Internet by the external device for the response to the verbal query. Claim 7 was rejected as unpatentable using Jannard in view of Tran and US 2011/0065428 to Schroeter. Schroeter discloses a method of initiation a web search on a mobile device using a voice

command.¹ Schroeter does not disclose eyewear. Examiner Alexander noted Schroeter is in a different field and that it would not have been obvious to someone in the eyewear art to consider the disclosure in Schroeter. Examiner Alexander recommended amending claim 1 to include the subject matter of claim 7 to overcome the current rejection. Applicant thanks Examiner Alexander for this recommendation.

3. Rejections Under 35 U.S.C. § 103

Claim 1 recites eyewear including an eyewear frame having a first temple and a second temple, a speaker coupled to the eyewear frame, and an application module mechanically coupled to the eyewear frame and operably coupled to the speaker. The application module includes a microphone to receive a verbal query from a wearer of the eyewear and a Bluetooth chip operably coupled to the microphone and the speaker. The Bluetooth chip connects to a Bluetooth-enabled external device, transmits the verbal query to the Bluetooth-enabled external device, receives a response to the verbal query from the Bluetooth-enabled external device, and provides the response to the wearer via the speaker.

Claims 1–5, 8–16, 19, and 20 have been rejected as unpatentable over Jannard (US 2006/0132382), which discloses eyewear that responds to verbal commands, in view of Tran (US 2008/0001735), which discloses filing electronic health insurance claims for a medical patient and “automatically provid[ing] eligibility inquiry and claim status inquiry.”²

Claims 6, 17, and 18 have been rejected as unpatentable over Jannard in view of Tran and further in view of Scannell, Jr. (US 2006/0154642).

Claim 7 has been rejected as unpatentable over Jannard in view of Tran further in view of Schroeter (US 2011 /0065428).

More specifically, pages 3 and 4 of the Office Action state that Jannard teaches every element of claim 1 except the verbal query. To remedy this deficiency, the Office Action cites Tran’s “inquiry” and alleges that it would have been obvious to modify Jannard’s eyewear, which receive verbal commands, to receive and respond to a verbal query like the eyewear of claim 1.

¹ Schroeter, ¶ 32, “[T]he user can interact with the mobile device and select applications using voice commands. . . For example a web search application may be initiated by the voice command “search the web.””

² Tran, ¶ 401.

Applicant respectfully disagrees with this rejection because modifying Jannard's eyewear based on Tran's inquiry would require a substantial reconstruction and redesign of Jannard's eyewear. Nevertheless, solely to expedite allowance, Applicant is amending claim 1 to incorporate the subject matter of claim 7. As amended, claim 1 specifies that the verbal query causes the Bluetooth-enabled external device to obtain the response to the verbal query via the Internet by searching the Internet for the response to the verbal query. Per the Examiner Interview, this amendment overcomes the rejection of claim 1 based on Jannard and Tran.

In addition, amended claim 1 is patentably distinct from the combination of Jannard, Tran, and Schroeter used to reject claim 7. As Examiner Alexander noted during the Examiner Interview, Schroeter is non-analogous art because it is from a different field of endeavor and because it is not pertinent to the particular problem addressed by the inventors.³ In particular, Schroeter relates to methods of selecting output modalities in a mobile device,⁴ which is a different field of endeavor than that of the present application on electronic eyewear. Furthermore, there is nothing in Schroeter to suggest that its disclosure of mobile device output modality selection would be pertinent to the problem addressed by the inventors in the present application of creating eyewear that can have multiple electronic applications. Therefore, Schroeter is non-analogous, so the rejection based on Jannard, Tran, and Schroeter should be withdrawn. Claims 2–4 depend from claim 1 and are patentably distinct from the combination of Jannard, Tran, and Schroeter for at least the same reasons.

Independent claims 5 and 12 similarly recite the external device obtaining the response to the verbal query by searching the Internet for the response to the verbal query, and therefore the arguments above also apply to these claims. Therefore, independent claims 5 and 12 are patentably distinct from the combination of Jannard, Tran, and Schroeter for at least the same reasons as claim 1. Claims 6–11 depend from claim 5 and claims 13–20 depend from claim 12, and all of these claims are patentably distinct from the combination of Jannard, Tran, and Schroeter for at least the same reasons.

³ *In re Clay*, 966 F.2d 656, 659-59 (Fed. Cir. 1992); *see also In re Oetiker*, 977 F.2d 1443, 1447 (Fed. Cir. 1992); *In re Deminski*, 796 F.2d 436, 442 (Fed. Cir. 1986); MPEP §2141.01(a).

⁴ Schroeter, ¶ 1.

CONCLUSION

It is respectfully believed that all of the rejections set forth in the Office Action have been addressed. However, the absence of a reply to a specific rejection, objection, or comment set forth in the Office Action does not signify agreement with or concession of that rejection, objection, or comment. In addition, there may be reasons for patentability of any or all pending claims (or other claims) that have not been expressed. Furthermore, nothing in this paper should be construed as an intent to concede any issue with regard to any claim.

Applicant believes that the present application is now in condition for allowance. Favorable reconsideration of the application as amended is respectfully requested.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

Dated: September 6, 2022

Respectfully submitted,

Smith Baluch LLP
376 Boylston St, Suite 401
Boston MA 02116

Phone: (917) 328-9842

By /Jasmine M Wallas/
Jasmine M Wallas
Registration No. 79486



ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
16/819,262

RECEIPT DATE / TIME
09/06/2022 04:32:57 PM ET

ATTORNEY DOCKET #
EVSO-012US08

Title of Invention

EYEWEAR DOCKING STATION AND ELECTRONIC MODULE

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 6619

FILED BY Jasmine Wallas

PATENT CENTER # 60940882

FILING DATE 03/16/2020

CUSTOMER # 149890

FIRST NAMED
INVENTOR Ronald Blum

CORRESPONDENCE
ADDRESS -

AUTHORIZED BY Jasmine Wallas

Documents

TOTAL DOCUMENTS: 3

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
EVSO-012US08_Amendment_due_20220906.pdf	9	-	227 KB
EVSO-012US08_Amendment_due_20220906-A....pdf	(1-1) 1	Amendment/Request for Reconsideration-After Non-Final Rejection	106 KB
EVSO-012US08_Amendment_due_20220906-CLM.pdf	(2-5) 4	Claims	176 KB
EVSO-012US08_Amendment_due_20220906-REM.pdf	(6-9) 4	Applicant Arguments/Remarks Made in an Amendment	158 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
EVSO- 012US08__Amendment__due__20 220906.pdf	0E3AD7E089B5007371DE1E4AE64D29650477122F631B8382C5 0DC2450B4E333AF9FED507EB1F61138182A53BCCBC94A5667 2C61F9204659C1770DBE951CB1EFA
EVSO- 012US08__Amendment__due__20 220906-A....pdf	4485CE49FC71E2120741FE4A3A8F74C857E41A40677CC3885 C3652BBF70056C93CFE92C727785D4E337FB8F8ACCAE12AE B918C44F24FC79E03ADE8868750207A
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EVSO- 012US08__Amendment__due__20 220906-REM.pdf	E18BF4B493675BDC3F45801A08CCE2DD8AD7D19CEB787A4B 6743112392A37469589BEE851A29F2AE0D0E066149218C69C7 31963219DC08450E617FE230B9F7F3

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for 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.

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 16/819,262	Filing Date 03/16/2020	☐ To be Mailed
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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 \$100 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 = *		x \$460 =	
☐ 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

	(Column 1)		(Column 2)	(Column 3)	RATE (\$)	ADDITIONAL FEE (\$)
AMENDMENT	09/06/2022		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	
	Total (37 CFR 1.16(i))	* 20	Minus	** 20	= 0	x \$100 = 0
	Independent (37 CFR 1.16(h))	* 3	Minus	*** 3	= 0	x \$480 = 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			CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	
	Total (37 CFR 1.16(i))	*	Minus	**	=	x \$0 =
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x \$0 =
	☐ 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.						LIE
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".						/ROBERT J TALBERT/
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The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.						

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/819,262	03/16/2020	Ronald Blum	EVSO-012US08	6619
149890	7590	08/19/2022	EXAMINER	
SMITH BALUCH LLP			ALEXANDER, WILLIAM R	
376 BOYLSTON ST			ART UNIT	
STE 401			PAPER NUMBER	
BOSTON, MA 02116			2872	
			NOTIFICATION DATE	DELIVERY MODE
			08/19/2022	ELECTRONIC

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docketing@smithbaluch.com
eofficeaction@appcoll.com
smith@smithbaluch.com

<i>Applicant-Initiated Interview Summary</i>	Application No. 16/819,262	Applicant(s) Blum et al.		
	Examiner WILLIAM R ALEXANDER	Art Unit 2872	AIA (First Inventor to File) Status No	Page 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	Title	Type
WILLIAM R ALEXANDER	Primary Examiner	Telephonic
Jasmine Wallas	Attorney of Record	
Max Colice	Attorney of Record	

Date of Interview: 15 August 2022

Issues Discussed:

35 U.S.C. 103

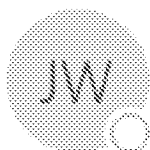
Regarding Claim 1, examiner stated that Jannard teaches "verbal" whereas Tran teaches "query". Examiner further stated that if claim 1 was amended with language based on Claim 7, it would likely overcome the Jannard in view of Tran 103 rejection. Examiner further stated that allowability would be dependent upon further search and consideration.

☒ Attachment

/WILLIAM R ALEXANDER/ Primary Examiner, Art Unit 2872	
Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04 Please further see: MPEP 713.04 Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b) 37 CFR § 1.2 Business to be transacted in writing	

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.



Wed 8/10/2022 11:54 AM

Jasmine Wallas <wallas@smithbaluch.com>

U.S. Application 16/819,262 - Atty. Docket No. EVSO-012US08 - Interview Agenda

To: Alexander, William

Cc: Max Colice

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Dear Examiner Alexander,

Thank you again for granting an interview on Monday, August 15, at 1 pm ET in US 16/819,262. During this interview, Max Colice (Reg. No. 65634) and I would like to speak to you about the rejection of claim 1 under 35 U.S.C. 103. In particular, the office action says that the claim 1 is obvious over US 2006/0132382 to Jannard in view of US 2008/0001735 to Tran. The office action compares the verbal query recited in claim 1 with Tran's eligibility and claim status inquiries described in paragraph 401 of Tran. However, Tran's eligibility and claim status inquiries do not appear to be verbal.

Recognizing that Internet communications are not secure, I hereby authorize the USPTO to communicate with me concerning any subject matter of this application by electronic mail. I understand that a copy of these communications will be made of record in the application file.

We look forward to speaking with you about this application.

Sincerely,
Jasmine Wallas
Reg. No. 79486

Jas Wallas, Ph.D.
SMITH BALUCH LLP
(917) 328-9842



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16/819,262	03/16/2020	Ronald Blum	EVSO-012US08	6619
149890	7590	06/06/2022	EXAMINER	
SMITH BALUCH LLP			ALEXANDER, WILLIAM R	
376 BOYLSTON ST			ART UNIT	
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BOSTON, MA 02116			2872	
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DETAILED ACTION

Notice of Pre-AIA or AIA Status

The present application is being examined under the pre-AIA first to invent provisions.

Information Disclosure Statement

The information disclosure statements (IDS) submitted on 6/16/2020, 6/16/2020, and 10/28/2021 were considered by the examiner.

Claim Rejections - 35 USC § 103

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 pre-AIA 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter 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 under pre-AIA 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was

not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of pre-AIA 35 U.S.C. 103(c) and potential pre-AIA 35 U.S.C. 102(e), (f) or (g) prior art under pre-AIA 35 U.S.C. 103(a).

Claims 1-5, 8-16, 19, and 20 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Jannard (US 2006/0132382) in view of Tran (US 2008/0001735).

Regarding Claim 1, Jannard discloses eyewear comprising:

an eyewear frame (Fig. 3A, Paragraph 0090, frame 42) having a first temple (Fig. 3A, Paragraph 0090, ear stem 54) and a second temple (Fig. 3A, Paragraph 0090, ear stem 56);

a speaker (Fig. 3A, Paragraph 0092, speakers 14A and 16A) coupled to the eyewear frame; and

an application module (Fig. 9A, Paragraph 0173, audio device 10C) mechanically coupled to the eyewear frame and operably coupled to the speaker (Fig. 9A, Paragraphs 0185-0188, speakers 14C and 16C), the application module comprising:

a microphone (Fig. 9A, Paragraphs 0186-0188, microphone 124 and microphone 75) to receive a verbal **command** (Paragraph 0214, voice-activated switch or controller which are operated by verbal commands provided by the wearer) from a wearer of the eyewear; and

a Bluetooth chip, operably coupled to the microphone and the speaker, to connect to a Bluetooth-enabled external device, to transmit the verbal **command** to the Bluetooth-enabled external device, to receive a response to the verbal **command** from the Bluetooth-enabled external device, and to provide the response to the wearer via

the speaker (Fig. 9A, Paragraphs 0183 and 0187, the transceiver 114 employs Bluetooth so there would be a Bluetooth chip present in said transceiver),

Jannard does not specifically disclose

“a verbal **query** ...

wherein the verbal query causes the Bluetooth-enabled external device to obtain the response to the verbal query via the Internet”.

However Tran, in the same field of endeavor, teaches

a verbal **query** (Paragraph 0401, an inquiry can be made) ...

wherein the verbal query causes the Bluetooth-enabled external device to obtain the response to the verbal query via the Internet (Paragraph 0293, Fig. 14B, Paragraph 0294, Bluetooth receiver, Paragraph 0402, the health professional can verbally communicate with a patient over the internet), for the purpose of providing hands-free communication.

Therefore, it would have been obvious to one of ordinary skill in the art before the effective filing date to have the eyewear of Jannard with the “a verbal **query** ... wherein the verbal query causes the Bluetooth-enabled external device to obtain the response to the verbal query via the Internet” of Tran, for the purpose of providing hands-free communication.

Regarding Claim 2, Jannard in view of Tran discloses as is set forth above and Jannard further discloses wherein, in response to recognizing the presence of the wearer (Paragraph 0265, lines 23-26), the Bluetooth-enabled external device is configured to control an external audio device based at least in part on an instruction

from the wearer (Paragraph 0214, voice-activated switch or controller which are operated by verbal commands provided by the wearer).

Regarding Claim 3, Jannard in view of Tran discloses as is set forth above and Jannard further discloses wherein, in response to recognizing the presence of the wearer (Paragraph 0265, lines 23-26), the Bluetooth-enabled external device is configured to control an external video device based at least in part on an instruction from the wearer (Paragraph 0083, video display, Paragraph 0191, video or audio/video information selected by the wearer, Paragraph 0263, lines 24-26).

Regarding Claim 4, Jannard in view of Tran discloses as is set forth above and Jannard further discloses wherein, in response to recognizing the presence of the wearer (Paragraph 0265, lines 23-26), and Tran further discloses the Bluetooth-enabled external device is configured to control light and/or temperature in an environment of the wearer based at least in part on preferences of the wearer (Paragraph 0283).

Therefore, it would have been obvious to one of ordinary skill in the art before the effective filing date to have the eyewear of Jannard in view of Tran with the external device is configured to control light and/or temperature in an environment of the wearer based at least in part on preferences of the wearer of Tran, for the purpose of providing hands-free control of an electronic device.

Regarding Claim 5, Jannard discloses a method comprising: receiving, by a microphone (Fig. 9A, Paragraphs 0186-0188, microphone 124 and microphone 75) mechanically coupled to an eyewear frame, a verbal **command** (Paragraph 0214, voice-activated switch or controller which are operated by verbal commands provided by the wearer) from a person wearing the eyewear frame; transmitting, by a wireless

chip mechanically coupled to the eyewear frame and operably coupled to the microphone, the verbal **command** to an external device (Paragraph 0187, cell phone or a computer); receiving, by the wireless chip (Fig. 9A, Paragraphs 0183 and 0187, the transceiver 114 employs Bluetooth so there would be a Bluetooth chip present in said transceiver), a response to the verbal **command** from the external device (Paragraph 0185); and providing the response to the verbal **command** via a speaker (Paragraph 0185, audio signals are sent to speakers 14C and 16C) operably coupled to the wireless chip.

Jannard does not specifically disclose a “a verbal **query**”.

However Tran, in the same field of endeavor, teaches a verbal **query** (Paragraph 0401, an inquiry can be made), for the purpose of providing hands-free communication.

Therefore, it would have been obvious to one of ordinary skill in the art before the effective filing date to have the eyewear of Jannard with the “a verbal” of Tran, for the purpose of providing hands-free communication.

Regarding Claim 8, Jannard in view of Tran discloses as is set forth above and Jannard further discloses wherein the wireless chip is a Bluetooth wireless chip (Fig. 9A, Paragraphs 0183 and 0187, the transceiver 114 employs Bluetooth so there would be a Bluetooth chip present in said transceiver), and further comprising: pairing the Bluetooth wireless chip with the external device (Paragraph 0187, audio device can wirelessly interact with a cell phone or a computer) before transmitting the verbal query to the external device.

Regarding Claim 9, Jannard in view of Tran discloses as is set forth above and Jannard further discloses further comprising: in response to detecting a presence of the

person wearing the eyewear frame by the external device (Paragraph 0265, lines 23-26), and

Tran further discloses controlling light in an environment of the person wearing the eyewear frame based at least in part on preferences of the person wearing the eyewear frame (Paragraph 0283, controlling lighting).

Therefore, it would have been obvious to one of ordinary skill in the art before the effective filing date to have the method of Jannard in view of Tran with the controlling light in an environment of the person wearing the eyewear frame based at least in part on preferences of the person wearing the eyewear frame of Tran, for the purpose of providing hands-free control of an lighting device.

Regarding Claim 10, Jannard in view of Tran discloses as is set forth above and Jannard further discloses further comprising: in response to detecting a presence of the person wearing the eyewear frame by the external device (Paragraph 0265, lines 23-26), and

Tran further discloses controlling a temperature of an environment of the person wearing the eyewear frame based at least in part on preferences of the person wearing the eyewear frame (Paragraph 0283, thermostat control).

Therefore, it would have been obvious to one of ordinary skill in the art before the effective filing date to have the method of Jannard in view of Tran with the controlling a temperature of an environment of the person wearing the eyewear frame based at least in part on preferences of the person wearing the eyewear frame of Tran, for the purpose of providing hands-free control of a heating and/or cooling device.

Regarding Claim 11, Jannard in view of Tran discloses as is set forth above and Jannard further discloses wherein the external device is at least one of a cell phone, a smart phone, a computer, an iPad, and/or a tablet (Paragraph 0187, cell phone or a computer).

Regarding Claim 12, Jannard discloses eyewear comprising:

an eyewear frame (Fig. 3A, Paragraph 0090, frame 42) having a first temple (Fig. 3A, Paragraph 0090, ear stem 54) and a second temple (Fig. 3A, Paragraph 0090, ear stem 56); and

an application module (Fig. 9A, Paragraph 0173, audio device 10C) mechanically coupled to the eyewear frame and operably coupled to a speaker (Fig. 9A, Paragraphs 0185-0188, speakers 14C and 16C), the application module comprising:

a microphone (Fig. 9A, Paragraphs 0186-0188, microphone 124 and microphone 75) to receive a verbal **command** (Paragraph 0214, voice-activated switch or controller which are operated by verbal commands provided by the wearer) from a wearer of the eyewear; and

a processor (Paragraph 0214, selector 610 includes a microprocessor), operably coupled to the microphone (Paragraph 0215, selector 610 includes an audio input) and the speaker (Paragraph 0215, selector 610 includes an audio output), to transmit the verbal **command** to an external device (Paragraph 0214, voice activated controller that controls secondary sources 602 and 604),

Jannard does not specifically disclose “a verbal **query** ... receive a response to the verbal query from the external device, and provide the response to the wearer via the speaker”.

However Tran, in the same field of endeavor, teaches a verbal **query** (Paragraph 0401, an inquiry can be made) ... receive a response to the verbal query from the external device, and provide the response to the wearer via the speaker (Paragraph 0293, Fig. 14B, Paragraph 0294, Bluetooth receiver, Paragraph 0402, the health professional can verbally communicate with a patient over the internet), for the purpose of providing hands-free communication.

Therefore, it would have been obvious to one of ordinary skill in the art before the effective filing date to have the eyewear of Jannard with the “a verbal **query** ... receive a response to the verbal query from the external device, and provide the response to the wearer via the speaker” of Tran, for the purpose of providing hands-free communication.

Regarding Claim 13, Jannard in view of Tran discloses as is set forth above and Jannard further discloses wherein the external device is a smart phone (Paragraph 0187, cell phone or a computer, Paragraph 0204, lines 9-12, Primary source has the same function as a smart phone).

Regarding Claim 14, Jannard in view of Tran discloses as is set forth above and Jannard further discloses wherein the application module further comprises a wireless chip (Fig. 9A, Paragraphs 0183 and 0187, the transceiver 114 employs Bluetooth so there would be a Bluetooth chip present in said transceiver), operably coupled to the processor (Paragraph 0214, selector 610 includes a microprocessor), to wirelessly transmit the verbal query to the external device (Paragraph 0187).

Regarding Claim 15, Jannard in view of Tran discloses as is set forth above and Jannard further discloses wherein the a wireless chip is a Bluetooth chip (Fig. 9A,

Paragraphs 0183 and 0187, the transceiver 114 employs Bluetooth so there would be a Bluetooth chip present in said transceiver).

Regarding Claim 16, Jannard in view of Tran discloses as is set forth above and Jannard further discloses wherein the external device is a computer (Paragraph 0187, cell phone or a computer).

Regarding Claim 19, Jannard in view of Tran discloses as is set forth above and Jannard further discloses wherein, in response to recognizing the presence of the wearer (Paragraph 0265, lines 23-26), the wireless enabled device is configured to control an external audio device based at least in part on an instruction from the wearer (Paragraph 0214, voice-activated switch or controller which are operated by verbal commands provided by the wearer).

Regarding Claim 20, Jannard in view of Tran discloses as is set forth above and Jannard further discloses wherein, in response to recognizing the presence of the wearer (Paragraph 0265, lines 23-26), the wireless enabled device is configured to control an external video device based at least in part on an instruction from the wearer (Paragraph 0083, video display, Paragraph 0191, video or audio/video information selected by the wearer, Paragraph 0263, lines 24-26).

Claims 6, 17, and 18 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Jannard (US 2006/0132382) in view of Tran (US 2008/0001735), further in view of Scannell, Jr. (US 2006/0154642).

Regarding Claim 6, Jannard in view of Tran discloses as is set forth above but doesn't specifically disclose wherein the verbal query is a query about weather and the response to the verbal query includes information about the weather.

However Scannell, in the same field of endeavor, teaches wherein the verbal query is a query about weather and the response to the verbal query includes information about the weather (Paragraph 0006, the device uses voice recognition and the audio weather is played aloud using speakers), for the purpose of providing a hands-free weather report to insure a safe work environment.

Therefore, it would have been obvious to one of ordinary skill in the art before the effective filing date to have the eyewear of Jannard in view of Tran with the wherein the verbal query is a query about weather and the response to the verbal query includes information about the weather of Scannell, for the purpose of providing a hands-free weather report to insure a safe work environment.

Regarding Claim 17, Jannard in view of Tran discloses as is set forth above but doesn't specifically disclose wherein the verbal query includes a query about the weather.

However Scannell, in the same field of endeavor, teaches wherein the verbal query includes a query about the weather (Paragraph 0006, the device uses voice recognition and the audio weather is played aloud using speakers), for the purpose of providing a hands-free weather report to insure a safe work environment.

Therefore, it would have been obvious to one of ordinary skill in the art before the effective filing date to have the eyewear of Jannard in view of Tran with the wherein the verbal query includes a query about the weather of Scannell, for the purpose of providing a hands-free weather report to insure a safe work environment.

Regarding Claim 18, Jannard in view of Tran discloses as is set forth above but doesn't specifically disclose wherein a response to the verbal query includes information about the weather.

However Scannell, in the same field of endeavor, teaches wherein a response to the verbal query includes information about the weather (Paragraph 0006, the device uses voice recognition and the audio weather is played aloud using speakers), for the purpose of providing a hands-free weather report to insure a safe work environment.

Therefore, it would have been obvious to one of ordinary skill in the art before the effective filing date to have the eyewear of Jannard in view of Tran with the wherein a response to the verbal query includes information about the weather of Scannell, for the purpose of providing a hands-free weather report to insure a safe work environment.

Claim 7 is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Jannard (US 2006/0132382) in view of Tran (US 2008/0001735), further in view of Schroeter (US 2011/0065428).

Regarding Claim 7, Jannard in view of Tran discloses as is set forth above but doesn't specifically disclose further comprising, in response to the verbal query: searching the Internet, by the external device, for the response to the verbal query.

However Schroeter, in the same field of endeavor, teaches further comprising, in response to the verbal query: searching the Internet, by the external device, for the response to the verbal query (Paragraph 0032, lines 26-33), for the purpose of conducting a hands-free internet search.

Therefore, it would have been obvious to one of ordinary skill in the art before the effective filing date to have the eyewear of Jannard in view of Tran with the further

comprising, in response to the verbal query: searching the Internet, by the external device, for the response to the verbal query of Schroeter, for the purpose of conducting a hands-free internet search.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Blum et al. (US 10,598,960), Blum et al. (US 2018/0329234), Parkinson et al. (US 2009/0251409), Levy (US 2010/0045928), Dobson et al. (US 7,631,968), Shedd (US 2004/0181404), and Chan et al. (US 2004/0235416) are cited to show similar eyewear and methods.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to WILLIAM R ALEXANDER whose telephone number is (571)270-7656. The examiner can normally be reached M-F 8:30 AM- 4:00 PM.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at <http://www.uspto.gov/interviewpractice>.

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/WILLIAM R ALEXANDER/
Primary Examiner, Art Unit 2872

Notice of References Cited	Application/Control No. 16/819,262		Applicant(s)/Patent Under Reexamination Blum et al.	
	Examiner WILLIAM R ALEXANDER		Art Unit 2872	Page 1 of 1

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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
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<i>Search Notes</i> 	Application/Control No. 16/819,262	Applicant(s)/Patent Under Reexamination Blum et al.
	Examiner WILLIAM R ALEXANDER	Art Unit 2872

CPC - Searched*		
Symbol	Date	Examiner
G02C7/081	06/02/2022	WA
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A61F9/061	06/02/2022	WA
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CPC Combination Sets - Searched*		
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US Classification - Searched*			
Class	Subclass	Date	Examiner
351	158	06/02/2022	WA

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Search Notes		
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PTO/SB/08a (02-18)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		16819262
	Filing Date		2020-03-16
	First Named Inventor	Ronald D. Blum	
	Art Unit		
	Examiner Name		
	Attorney Docket Number		EVSO-012US08

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Examiner Name		
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Examiner Signature	/WILLIAM R ALEXANDER/	Date Considered	06/02/2022
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Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

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☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

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SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Christopher Max Colice/	Date (YYYY-MM-DD)	2020-06-16
Name/Print	Christopher Max Colice	Registration Number	65634

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2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
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 inspections 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.

Doc code: IDS

PTO/SB/08a (02-18)

Doc description: Information Disclosure Statement (IDS) Filed

Approved for use through 11/30/2020. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	16819262
	Filing Date	2020-03-16
	First Named Inventor	Ronald D. Blum
	Art Unit	2872
	Examiner Name	
	Attorney Docket Number	EVSO-012US08

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	6184847	B1	2001-02-06	Fateh et al.	Entire Document
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Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²ⁱ	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1	2002525769	JP	A	2002-08-13	FATEH SINA et al.	Entire Document	
	2	2003244776	JP	A	2003-08-29	Ochiai et al.	Entire Document	
	3	2003312391	JP	A	2003-11-06	Bando et al.	Entire Document	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	16819262
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First Named Inventor	Ronald D. Blum
Art Unit	2872
Examiner Name	
Attorney Docket Number	EVSO-012US08

4	2005502902	JP	A	2005-01-27	SWAB GREGORY et al.	Entire Document	
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NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1		

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EXAMINER SIGNATURE

Examiner Signature	/WILLIAM R ALEXANDER/	Date Considered	06/02/2022
--------------------	-----------------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	16819262
Filing Date	2020-03-16
First Named Inventor	Ronald D. Blum
Art Unit	2872
Examiner Name	
Attorney Docket Number	EVSO-012US08

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Christopher Max Colice/	Date (YYYY-MM-DD)	2021-10-28
Name/Print	Christopher Max Colice	Registration Number	65634

This collection of information is required by 37 CFR 1.97 and 1.98. 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 1 hour 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.**

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The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
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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.
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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.

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	1	"16819262"	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 07:44 AM
L2	8164	(eyewear OR spectacles OR eye\$wear OR eye\$glasses OR eyeglasses OR goggles OR (head\$ near3 up)) AND frame AND speaker AND microphone AND (blue\$tooth OR bluetooth) AND ((verbal OR audio) near20 (command\$3 OR query OR instruction\$3)) AND ((cell ADJ phone) OR (smart ADJ phone) OR (mobile ADJ device))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 11:02 AM
L3	593	L2 AND @pd<"20120106"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 11:04 AM
L4	222	L2 AND @pd<"20120106"	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 11:04 AM
L5	24	L4 AND (verbal\$3 near10 (query OR command OR instructions))	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 11:13 AM
L6	6	L4 AND (verbal\$3 near10 (query OR command OR instructions)) AND (verbal\$3 near10 (internet OR web))	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 01:17 PM
L8	51	L2 AND (verbal\$3 near10 (query OR command OR instructions)) AND	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 01:49 PM

		(verbal\$3 near10 (internet OR web))					
L9	6	L8 AND @pd<"20120106"	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 01:50 PM
L10	1	"20100045928"	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 04:51 PM
L11	2	"20060132382"	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 05:24 PM
L12	2	"20090251409"	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 06:21 PM
L13	51	L2 AND (verbal\$3 near10 (query OR command OR instructions)) AND (verbal\$3 near10 (internet OR web)) AND query	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 06:22 PM
L14	15	L2 AND (verbal\$3 near10 (query OR command OR instructions)) AND (verbal\$3 near10 (internet OR web)) AND (query near10 (internet OR web))	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 06:22 PM
L15	48	L2 AND (verbal\$3 near10 (query OR command OR instructions)) AND (query near10 (internet OR web))	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 06:23 PM
L16	213	L2 AND (query near10 (internet OR web))	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 06:24 PM
L17	5	L16 AND @pd<"20120106"	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 06:25 PM
L18	51	L2 AND (verbal\$3 near10 (question OR search OR query OR command OR instructions)) AND (verbal\$3 near10 (internet OR web)) AND (return OR response OR answer)	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 06:29 PM
L19	6	L18 AND @pd<"20120106"	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 06:30 PM
L20	13286	G02C11/10.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2022/05/31 07:19 PM

			IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L21	2439	G02C11/04.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 07:20 PM
L22	2443	G02C11/06.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 07:20 PM
L23	1885	G02C7/081.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 07:20 PM

L24	95202	G05B15/02.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 07:21 PM
L25	2892	G06K19/0715.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 07:21 PM
L26	3520	G06K19/07762.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 07:22 PM
L27	1386	A61F9/061.cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	OR	ON	ON	2022/05/31 07:22 PM

			NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L28	1403	351/158.ccls.	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 07:23 PM
L29	122281	L20 L21 L22 L23 L24 L25 L26 L27 L28	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 07:23 PM
L30	8330	(sunglasses OR eyewear OR spectacles OR eye\$wear OR eye\$glasses OR eyeglasses OR goggles OR (head\$ near3 up)) AND frame AND speaker AND microphone AND (blue\$tooth OR bluetooth) AND ((verbal OR audio) near20 (command\$3 OR query OR instruction\$3)) AND ((cell ADJ phone) OR (smart ADJ phone) OR (mobile ADJ device))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 07:24 PM
L31	415	L29 AND L30	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO;	OR	ON	ON	2022/05/31 07:25 PM

			JPO; DERWENT; IBM_TDB)				
L32	62	L31 AND @pd<"20120106"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 07:25 PM
L33	45	L31 AND @pd<"20120106"	(US-PGPUB; USPAT)	OR	ON	ON	2022/05/31 07:25 PM
L34	1390	((("BLUM") near3 ("Ronald")) OR (("WANG") near3 ("Yongping")) OR (("GRAHAM") near3 ("Mark")) OR (("KOKONASKI") near3 ("William")) OR (("CLOMPUS") near3 ("Richard"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/05/31 07:28 PM
L35	56	((("E-VISION") near3 ("SMART") near3 ("OPTICS") near3 ("INC"))).AS,AANM.	(USPAT)	OR	ON	ON	2022/05/31 07:29 PM
L36	225	((("E-VISION") near3 ("SMART") near3 ("OPTICS") near3 ("INC"))).AS,AANM.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/05/31 07:30 PM
L37	1517	L34 L36	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/05/31 07:30 PM
L38	35	L30 AND L37	(US-PGPUB; USPAT; USOCR; EPO; JPO;	OR	ON	ON	2022/05/31 07:31 PM

			DERWENT)				
L39	2	L38 AND (verbal ADJ query) AND response	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/05/31 07:33 PM
L40	19	"20080001735"	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/01 10:41 AM
L41	1	"20080001735".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/01 10:42 AM
L42	184	(sunglasses OR eyewear OR spectacles OR eye\$wear OR eye\$glasses OR eyeglasses OR goggles OR (head\$ near3 up)) AND frame AND speaker AND microphone AND (blue\$tooth OR bluetooth) AND ((verbal OR audio) near20 (command\$3 OR query OR instruction\$3)) AND ((cell ADJ phone) OR (smart ADJ phone) OR (mobile ADJ device)) AND ((verbal OR voice) near16 weather)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/06/01 11:55 AM
L43	101	(sunglasses OR eyewear OR spectacles OR eye\$wear OR eye\$glasses OR eyeglasses OR goggles OR (head\$ near3 up)) AND frame AND speaker AND microphone AND (blue\$tooth OR bluetooth) AND ((verbal OR audio) near20 (command\$3 OR query OR instruction\$3)) AND ((cell ADJ phone) OR (smart ADJ phone) OR (mobile ADJ device)) AND ((verbal OR voice) near16 weather)	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/01 11:56 AM
L44	1	"20040181404".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/01 12:02 PM
L45	1	"20040235416".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/01 12:02 PM
L46	110	(sunglasses OR eyewear OR spectacles OR eye\$wear OR eye\$glasses OR eyeglasses OR goggles	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/01 12:51 PM

		OR (head\$ near3 up)) AND frame AND speaker AND microphone AND (blue\$tooth OR bluetooth) AND ((verbal OR audio) near20 (command\$3 OR query OR instruction\$3)) AND ((cell ADJ phone) OR (smart ADJ phone) OR (mobile ADJ device)) AND ((verbal OR voice) near20 (search\$3 near10 (web OR internet)))					
L47	139	(sunglasses OR eyewear OR spectacles OR eye\$wear OR eye\$glasses OR eyeglasses OR goggles OR (head\$ near3 up)) AND frame AND speaker AND microphone AND (blue\$tooth OR bluetooth) AND ((cell ADJ phone) OR (smart ADJ phone) OR (mobile ADJ device)) AND ((verbal OR voice) near20 (search\$3 near10 (web OR internet)))	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/01 01:04 PM
L48	29	L47 NOT L46	(US-PGPUB; USPAT)	OR	ON	ON	2022/06/01 01:05 PM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

Doc code: IDS

PTO/SB/08a (02-18)

Doc description: Information Disclosure Statement (IDS) Filed

Approved for use through 11/30/2020. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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	Art Unit		
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	Attorney Docket Number	EVSO-012US08	

U.S.PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	10114235	B2	2018-10-30	Blum et al.	Entire Document
	2	10598960	B2	2020-03-24	Blum et al.	Entire Document
	3	2170287	A	1939-08-22	Kinnebrew	
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	5	2576581	A	1951-11-27	Edwards	
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	10	3309162	A	1967-03-14	Kosanke et al.	
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	21	4264154	A	1981-04-28	Petersen	
	22	4279474	A	1981-07-21	Belgorod	
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	32	4466703	A	1984-08-21	Nishimoto	
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	45	4787733	A	1988-11-29	Silva	
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	48	4813777	A	1989-03-21	Rainville et al.	
	49	4816031	A	1989-03-28	Pfoff	
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	55	4880300	A	1989-11-14	Payner et al.	
	56	4890903	A	1990-01-02	Treisman et al.	
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	64	4930884	A	1990-06-05	Tichenor et al.	
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	89	5150234	A	1992-09-22	Takahashi et al.	
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	98	5229797	A	1993-07-20	Futhey et al.	Entire Document
	99	5229885	A	1993-07-20	Quaglia	
	100	5231430	A	1993-07-27	Kohayakawa	
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	108	5382986	A	1995-01-17	Black et al.	
	109	5386308	A	1995-01-31	Michel et al.	
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	133	5728155	A	1998-03-17	Anello et al.	
	134	5739959	A	1998-04-14	Quaglia	
	135	5757458	A	1998-05-26	Miller et al.	
	136	5777719	A	1998-07-07	Williams et al.	
	137	5815233	A	1998-09-29	Morokawa et al.	
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	160	6091832	A	2000-07-18	Shurman et al.	
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	185	6464363	B1	2002-10-15	Nishioka et al.	
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	203	6682195	B2	2004-01-27	Dreher	
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	207	6709108	B2	2004-03-23	Levine et al.	
	208	6714133	B2	2004-03-30	Hum et al.	
	209	6733130	B2	2004-05-11	Blum et al.	
	210	6738199	B2	2004-05-18	Nishioka	
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OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

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A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Christopher Max Colice/	Date (YYYY-MM-DD)	2020-06-16
Name/Print	Christopher Max Colice	Registration Number	65634

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3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
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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 inspections 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.

Bibliographic Data

Application No: 16/819,262

Foreign Priority claimed: ☐ Yes ☒ No

35 USC 119 (a-d) conditions met: ☐ Yes ☒ No ☐ Met After Allowance

Verified and Acknowledged:

/WILLIAM R ALEXANDER/

Examiner's Signature

Initials

Title:

EYEWEAR DOCKING STATION AND ELECTRONIC MODULE

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
03/16/2020	351	2872	EVSO-012US08
RULE			

APPLICANTS

e-Vision Smart Optics, Inc., Sarasola, FL,

INVENTORS

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Yongping Wang, Philadelphia, PA, UNITED STATES

Mark Graham, Roanoke, VA, UNITED STATES

William Kokonaski, Gig Harbor, WA, UNITED STATES

Richard Clompus, Roanoke, VA, UNITED STATES

CONTINUING DATA

This application is a CON of 15975353 05/09/2018 PAT 10598960

15975353 is a CON of 14808239 07/24/2015 PAT 10114235

14808239 is a CON of 13735887 01/07/2013 PAT 9122083

13735887 has PRO of 61640425 04/30/2012

13735887 has PRO of 61638150 04/25/2012

13735887 has PRO of 61622092 04/10/2012

13735887 has PRO of 61583940 01/06/2012

FOREIGN APPLICATIONS

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	Filing Date	2020-03-16
	First Named Inventor	Ronald D. Blum
	Art Unit	2872
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	1	6184847	B1	2001-02-06	Fateh et al.	Entire Document	

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	1	2002525769	JP	A	2002-08-13	FATEH SINA et al.	Entire Document	
	2	2003244776	JP	A	2003-08-29	Ochiai et al.	Entire Document	
	3	2003312391	JP	A	2003-11-06	Bando et al.	Entire Document	

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Application Number		16819262
Filing Date		2020-03-16
First Named Inventor	Ronald D. Blum	
Art Unit	2872	
Examiner Name		
Attorney Docket Number	EVSO-012US08	

4	2005502902	JP	A	2005-01-27	SWAB GREGORY et al.	Entire Document
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

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(Not for submission under 37 CFR 1.99)

Application Number	16819262
Filing Date	2020-03-16
First Named Inventor	Ronald D. Blum
Art Unit	2872
Examiner Name	
Attorney Docket Number	EVSO-012US08

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Christopher Max Colice/	Date (YYYY-MM-DD)	2021-10-28
Name/Print	Christopher Max Colice	Registration Number	65634

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Electronic Acknowledgement Receipt

EFS ID:	44146099
Application Number:	16819262
International Application Number:	
Confirmation Number:	6619
Title of Invention:	EYEWEAR DOCKING STATION AND ELECTRONIC MODULE
First Named Inventor/Applicant Name:	Ronald Blum
Customer Number:	149890
Filer:	Christopher M. Colice/Holly Johnson
Filer Authorized By:	Christopher M. Colice
Attorney Docket Number:	EVSO-012US08
Receipt Date:	28-OCT-2021
Filing Date:	16-MAR-2020
Time Stamp:	15:05:44
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement (IDS) Form (SB08)	EVSO012US08_SB08_10-28-2021.pdf	1053331 21db949f6b370ff409a468af0ec3393cecf37a6b	no	4

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2	Foreign Reference	JP2003244776A_with_machine_translation.pdf	960777	no	18
			944b68ebd9208b74a609c531030e42eb73607b20		
Warnings:					
Information:					
3	Foreign Reference	JP2003312391A_with_machine_translation.pdf	1357658	no	20
			25e42334e78055316ab76f588ef96b005347fcb0		
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4	Foreign Reference	JPA2002525769_with_Machine_translation_QC_Part1.pdf	23806855	no	28
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5	Foreign Reference	JP2005502902A_with_machine_Translation_QC.pdf	24282702	no	104
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Warnings:					
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6	Foreign Reference	JPA2002525769_with_Machine_translation_QC_Part2.pdf	23122495	no	61
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
16/819,262	03/16/2020	Ronald Blum	EVSO-012US08

CONFIRMATION NO. 6619

PUBLICATION NOTICE



OC000000118335216

149890
SMITH BALUCH LLP
376 BOYLSTON ST
STE 401
BOSTON, MA 02116

Title:EYEWEAR DOCKING STATION AND ELECTRONIC MODULE

Publication No.US-2020-0218093-A1

Publication Date:07/09/2020

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		16819262
	Filing Date		2020-03-16
	First Named Inventor	Ronald D. Blum	
	Art Unit		
	Examiner Name		
	Attorney Docket Number		EVSO-012US08

U.S.PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	7085065	B2	2006-08-01	Silver	
	2	7130664	B1	2006-10-31	Williams	Entire Document
	3	7133172	B2	2006-11-07	Nishioka	
	4	7137702	B2	2006-11-21	Piers et al.	
	5	7159981	B2	2007-01-09	Kato	
	6	7159983	B2	2007-01-09	Menezes et al.	
	7	7188948	B2	2007-03-13	Blum et al.	
	8	7192136	B2	2007-03-20	Howell et al.	Entire Document

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First Named Inventor	Ronald D. Blum	
Art Unit		
Examiner Name		
Attorney Docket Number	EVSO-012US08	

9	7195353	B2	2007-03-27	Blum et al.	Entire Document
10	7209097	B2	2007-04-24	Suyama et al.	
11	7229173	B2	2007-06-12	Menezes	
12	7255437	B2	2007-08-14	Howell et al.	
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15	7396126	B2	2008-07-08	Blum et al.	
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17	7404636	B2	2008-07-29	Blum et al.	
18	7438410	B1	2008-10-21	Howell et al.	
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First Named Inventor	Ronald D. Blum	
Art Unit		
Examiner Name		
Attorney Docket Number	EVSO-012US08	

	20	7475984	B2	2009-01-13	Blum et al.	
	21	7481531	B2	2009-01-27	Howell et al.	
	22	7500746	B1	2009-03-10	Howell et al.	
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First Named Inventor	Ronald D. Blum	
Art Unit		
Examiner Name		
Attorney Docket Number	EVSO-012US08	

	31	7792552	B2	2010-09-07	D et al.	
	32	7806525	B2	2010-10-05	Howell et al.	
	33	7831055	B2	2010-11-09	Frerking et al.	
	34	7922321	B2	2011-04-12	Howell et al.	
	35	7988283	B2	2011-08-02	Jannard	
	36	8025396	B1	2011-09-27	Power	
	37	8089511	B2	2012-01-03	Yamamoto	
	38	8109629	B2	2012-02-07	Howell et al.	
	39	8174569	B2	2012-05-08	Tanijiri et al.	
	40	8337013	B2	2012-12-25	Howell et al.	
	41	8430507	B2	2013-04-30	Howell et al.	

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First Named Inventor	Ronald D. Blum	
Art Unit		
Examiner Name		
Attorney Docket Number	EVSO-012US08	

	42	8434863	B2	2013-05-07	Howell et al.	
	43	8465151	B2	2013-06-18	Howell et al.	
	44	8500271	B2	2013-08-06	Howell et al.	
	45	8770742	B2	2014-07-08	Howell et al.	
	46	8915588	B2	2014-12-23	Blum et al.	Entire Document
	47	8931896	B2	2015-01-13	Blum et al.	Entire Document
	48	9122083	B2	2015-09-01	Blum et al.	Entire Document
	49	9124796	B2	2015-09-01	Blum et al.	Entire Document
	50	D298250	S	1988-10-25	KILDALL	
	51	D342063	S	1993-12-07	HOWITT et al.	
	52	D350342	S	1994-09-06	SACK	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		16819262	
	Filing Date		2020-03-16	
	First Named Inventor	Ronald D. Blum		
	Art Unit			
	Examiner Name			
	Attorney Docket Number		EVSO-012US08	

	53	RE35691	E	1997-12-16	THEIRL et al.	
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	*	Supplemental Notice of Allowance in U.S. Appl. No. 13/779,407, dated Nov. 12, 2014, 2 pages.	☐
	*	Supplementary European Search Report of Application No. EP 05824718 dated Nov. 19, 2007.	☐
	*	Tarascon et al., "Issues and challenges facing rechargeable lithium batteries" Nature 2001, 414:359-367 (Nov. 15, 2001).	☐

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First Named Inventor	Ronald D. Blum	
Art Unit		
Examiner Name		
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	*	U.S. Appl. No. 60/674,702, filed Apr. 26, 2005.	☐
	*	U.S. Appl. No. 60/679,241, filed May 10, 2005.	☐
	*	U.S. Appl. No. 60/685,407, filed May 31, 2005.	☐
	*	U.S. Appl. No. 60/687,341, filed Jun. 6, 2005.	☐
	*	U.S. Appl. No. 60/687,342, filed Jun. 6, 2005.	☐
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	*	Written Opinion in PCT/US2013/020571, dated Jul. 5, 2013, 6 pages.	☐

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¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

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* A copy of the reference is not provided pursuant to 37 C.F.R. §1.98(d) because the reference was previously cited and submitted to the Office in U.S. Patent Application Serial No. 15/975,353 filed May 9, 2018, to which the above-identified application claims priority under 35 U.S.C. §120.

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CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

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☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Christopher Max Colice/	Date (YYYY-MM-DD)	2020-06-16
Name/Print	Christopher Max Colice	Registration Number	65634

This collection of information is required by 37 CFR 1.97 and 1.98. 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 1 hour 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.**

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EFS ID:	39734906
Application Number:	16819262
International Application Number:	
Confirmation Number:	6619
Title of Invention:	EYEWEAR DOCKING STATION AND ELECTRONIC MODULE
First Named Inventor/Applicant Name:	Ronald Blum
Customer Number:	149890
Filer:	Christopher M. Colice/Holly Johnson
Filer Authorized By:	Christopher M. Colice
Attorney Docket Number:	EVSO-012US08
Receipt Date:	16-JUN-2020
Filing Date:	16-MAR-2020
Time Stamp:	15:40:21
Application Type:	Utility under 35 USC 111(a)

Payment information:

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1	Information Disclosure Statement (IDS) Form (SB08)	EVSO012US08_SB08_06-16-2020_1_OF_2.pdf	194232	no	40
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U.S.PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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	102	5305028	A	1994-04-19	Okano	
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*	Non-Final Office Action dated Dec. 1, 2017 from U.S. Appl. No. 14/816,249, 12 pages.	☐
*	Non-Final Office Action dated Jun. 14, 2017 from U.S. Appl. No. 15/440,675, 18 pages.	☐
*	Non-Final Office Action dated Jun. 30, 2017 from U.S. Appl. No. 15/437,746, 12 pages.	☐

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	16819262
Filing Date	2020-03-16
First Named Inventor	Ronald D. Blum
Art Unit	
Examiner Name	
Attorney Docket Number	EVSO-012US08

*	Non-Final Office Action dated Jun. 30, 2017 from U.S. Appl. No. 15/438,104, 10 pages.	☐
*	Notice of Allowance dated May 24, 2017 from U.S. Appl. No. 14/816,249, 8 pages.	☐
*	Notice of Allowance in U.S. Appl. No. 13/735,887, dated Apr. 28, 2015, 8 pages.	☐
*	Notice of Allowance in U.S. Appl. No. 13/779,232, dated Sep. 18, 2014, 10 pages.	☐
*	Notice of Allowance in U.S. Appl. No. 13/779,320, dated Apr. 28, 2015, 8 pages.	☐
*	Notice of Allowance in U.S. Appl. No. 13/779,407, dated Jun. 26, 2014, 8 pages.	☐
*	Notice of Allowance in U.S. Appl. No. 13/779,407, dated Sep. 15, 2014, 5 pages.	☐
*	Office Action (Ex Parte Quayle Action) issued in corresponding U.S. Appl. No. 13/779,320 dated Mar. 17, 2014, 7 pages.	☐
*	Office Action (Ex-Parte Quayle Action) in U.S. Appl. No. 13/779,232, dated May 16, 2014, 5 pages.	☐
*	Office Action and Search Report in CN Application No. 201310009498.3, dated Apr. 29, 2015 (and English translation), 36 pages.	☐
*	Office Action in CN Application No. 201380009013.9, dated May 26, 2015 (and English translation), 36 pages.	☐

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	16819262
Filing Date	2020-03-16
First Named Inventor	Ronald D. Blum
Art Unit	
Examiner Name	
Attorney Docket Number	EVSO-012US08

*	Office Action in corresponding U.S. Appl. No. 13/779,232, dated Dec. 24, 2013, 9 pages.	☐
*	Office Action in corresponding U.S. Appl. No. 13/779,407 dated Mar. 17, 2014, 6 pages.	☐
*	Office Action in corresponding U.S. Appl. No. 13/779,407, dated Sep. 17, 2013, 10 pages.	☐
*	Office Action in U.S. Appl. No. 13/779,320, dated Feb. 6, 2015, 7 pages.	☐
*	Office Action in U.S. Appl. No. 14/816,249, dated Dec. 20, 2016, 7 pages.	☐
*	Office Action in U.S. Appl. No. 15/438,104, dated Apr. 19, 2017, 8 pages.	☐
*	Office Action issued in corresponding U.S. Appl. No. 13/779,320 dated Sep. 17, 2013, 13 pages.	☐
*	Optics, Org, Dec. 19, 2006 "Liquid Lenses Eye Commercial Breakthrough" Opto & Laser Europe (Nov. 2003).	☐
*	Pitchon, E.M. et al., "First In-Vivo Human Monitoring of Intraocular Pressure Fluctuation and Ocular Pulsation by a Wireless Soft Contact Lens Sensor." Congress of the European Glaucoma Society, Berlin, Jun. 2008; Congres annuel de la Societe francaise d'ophtalmologie, Paris, May 2008; ARVO Meeting (The Association for Research in Vision and Ophthalmology), Apr. 27-May 1, 2008, Fort Lauderdale American Glaucoma Society, 18th Annual Meeting, Mar. 2008, Washington, 1 page.	☐
*	Restriction Requirement in U.S. Appl. No. 13/779,320, dated Jul. 17, 2014, 8 pages.	☐
*	Search Report and Written Opinion in PCT/US05/39101, dated Jul. 7, 2006, 5 pages.	☐

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	16819262		
Filing Date	2020-03-16		
First Named Inventor	Ronald D. Blum		
Art Unit			
Examiner Name			
Attorney Docket Number	EVSO-012US08		

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

* A copy of the reference is not provided pursuant to 37 C.F.R. §1.98(d) because the reference was previously cited and submitted to the Office in U.S. Patent Application Serial No. 15/975,353 filed May 9, 2018, to which the above-identified application claims priority under 35 U.S.C. §120.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	16819262
Filing Date	2020-03-16
First Named Inventor	Ronald D. Blum
Art Unit	
Examiner Name	
Attorney Docket Number	EVSO-012US08

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Christopher Max Colice/	Date (YYYY-MM-DD)	2020-06-16
Name/Print	Christopher Max Colice	Registration Number	65634

This collection of information is required by 37 CFR 1.97 and 1.98. 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 1 hour 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.**

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The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
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 inspections 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.



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
16/819,262	03/16/2020	2872	1720	EVSO-012US08	20	3

CONFIRMATION NO. 6619

FILING RECEIPT



0000000115770448

149890
SMITH BALUCH LLP
376 BOYLSTON ST
STE 401
BOSTON, MA 02116

Date Mailed: 03/30/2020

Receipt is acknowledged of this non-provisional utility patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF FIRST INVENTOR, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection.

Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

Inventor(s)

Ronald Blum, Roanoke, VA;
Yongping Wang, Philadelphia, PA;
Mark Graham, Roanoke, VA;
William Kokonaski, Gig Harbor, WA;
Richard Clompus, Roanoke, VA;

Applicant(s)

e-Vision Smart Optics, Inc., Sarasola, FL;

Power of Attorney: None

Domestic Priority data as claimed by applicant

This application is a CON of 15/975,353 05/09/2018 PAT 10598960
which is a CON of 14/808,239 07/24/2015 PAT 10114235
which is a CON of 13/735,887 01/07/2013 PAT 9122083
which claims benefit of 61/640,425 04/30/2012
and claims benefit of 61/638,150 04/25/2012
and claims benefit of 61/622,092 04/10/2012
and claims benefit of 61/583,940 01/06/2012

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 03/27/2020

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 16/819,262**

Projected Publication Date: 07/09/2020

Non-Publication Request: No

Early Publication Request: No

Title

EYEWEAR DOCKING STATION AND ELECTRONIC MODULE

Preliminary Class

351

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

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Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

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Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 16/819,262				
APPLICATION AS FILED - PART I										
(Column 1)		(Column 2)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY				
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)			
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	300			
SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A			N/A	660			
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	760			
TOTAL CLAIMS (37 CFR 1.16(j))	20	minus 20 = *			OR	x 100 =	0.00			
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3	minus 3 = *				x 460 =	0.00			
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).						0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0.00			
			TOTAL			TOTAL	1720			
* If the difference in column 1 is less than zero, enter "0" in column 2.										
APPLICATION AS AMENDED - PART II										
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY		
AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x	=	OR	x	=
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=	OR	x	=
	Application Size Fee (37 CFR 1.16(s))							OR		
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY		
AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
	Total (37 CFR 1.16(i))	*	Minus	**	=	x	=	OR	x	=
	Independent (37 CFR 1.16(h))	*	Minus	***	=	x	=	OR	x	=
	Application Size Fee (37 CFR 1.16(s))							OR		
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	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 found in the appropriate box in column 1.										

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	EYEWEAR DOCKING STATION AND ELECTRONIC MODULE
-----------------------	---

As the below named inventor, I hereby declare that:

This declaration

is directed to:

☐ The attached application, or

☒ United States application or PCT international application number 13/735,887
filed on January 7, 2013

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

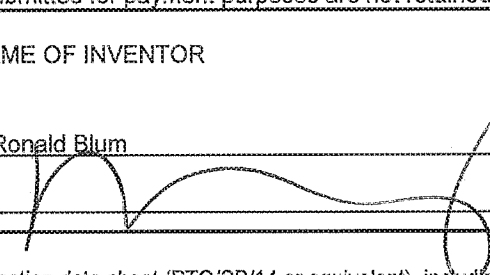
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LEGAL NAME OF INVENTOR

Inventor: Ronald Blum

Date (Optional): 3/29/13

Signature: 

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. 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 1.11 and 1.14. This collection is estimated to take 1 minute 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.

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APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	EYEWEAR DOCKING STATION AND ELECTRONIC MODULE
-----------------------	---

As the below named inventor, I hereby declare that:

This declaration

is directed to:

☐ The attached application, or

☒ United States application or PCT international application number 13/735,887
filed on January 7, 2013

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WARNING:

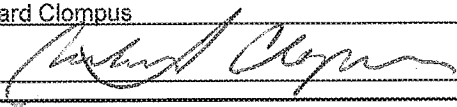
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LEGAL NAME OF INVENTOR

Inventor: Richard Clompus

Date (Optional) :

4/17/13

Signature: 

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional PTO/AIA/01 form for each additional inventor.

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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76)

Title of
Invention

EYEWEAR DOCKING STATION AND ELECTRONIC MODULE

As the below named inventor, I hereby declare that:

This declaration

is directed to:

☐ The attached application, or

☒ United States application or PCT international application number 13/735,887
filed on January 7, 2013

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001
by fine or imprisonment of not more than five (5) years, or both.

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LEGAL NAME OF INVENTOR

Inventor: Mark Graham

Date (Optional): 4/23/13

Signature: Mark Graham

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PTO/AIA/01 (06-12)

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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	EYEWEAR DOCKING STATION AND ELECTRONIC MODULE
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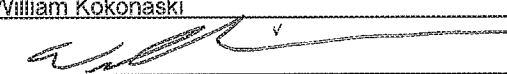
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LEGAL NAME OF INVENTOR

Inventor: William Kokonaski

Date (Optional):

3/22/13

Signature: 

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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	EYEWEAR DOCKING STATION AND ELECTRONIC MODULE
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As the below named inventor, I hereby declare that:

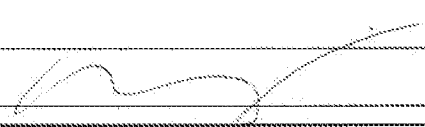
This declaration
is directed to:☐ The attached application, or☒ United States application or PCT international application number 13/735,887
filed on January 7, 2013

The above-identified application was made or authorized to be made by me.

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LEGAL NAME OF INVENTORInventor: Yongping WangDate (Optional): 4/17/2013Signature: 

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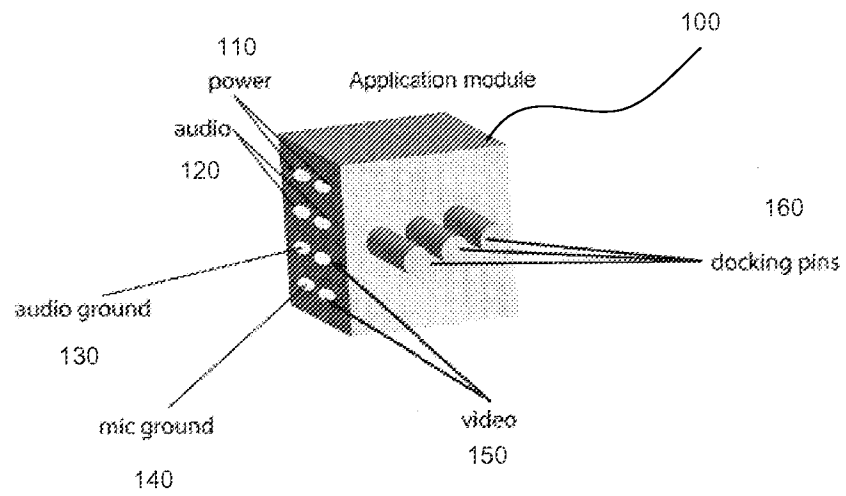


FIG. 1

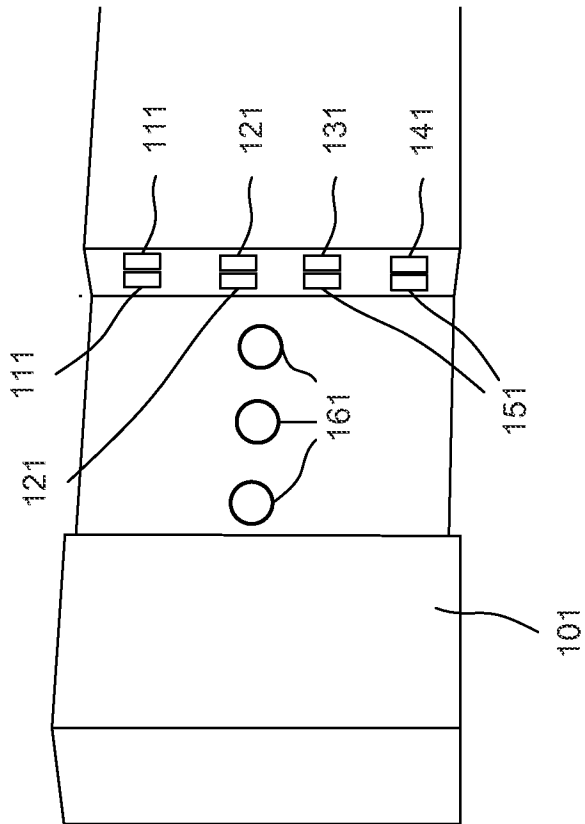


FIG. 2A

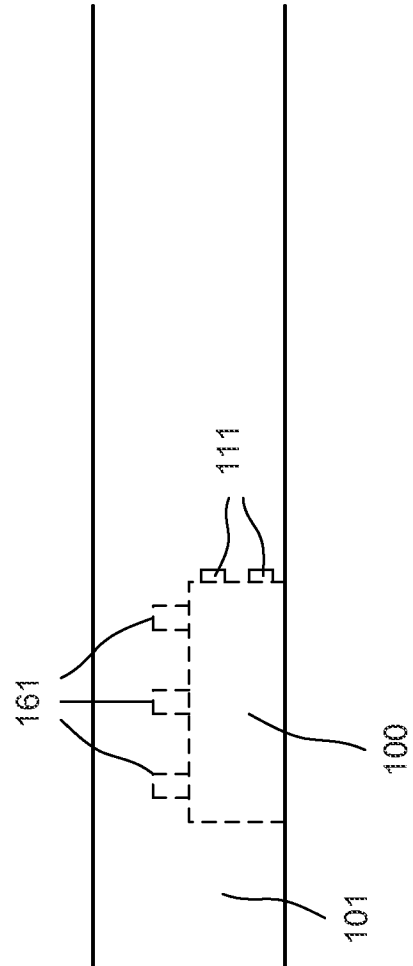
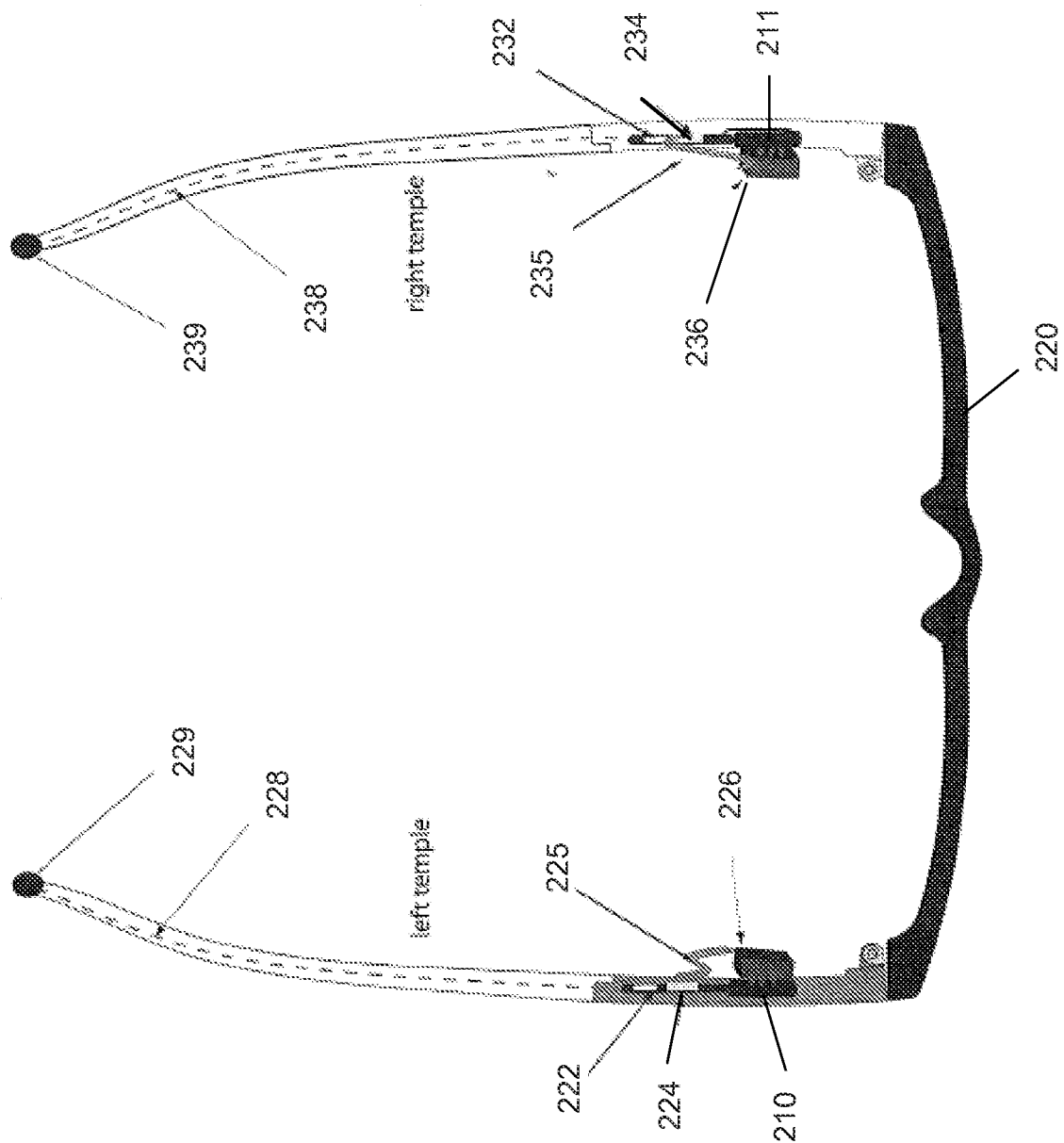


FIG. 2B



319

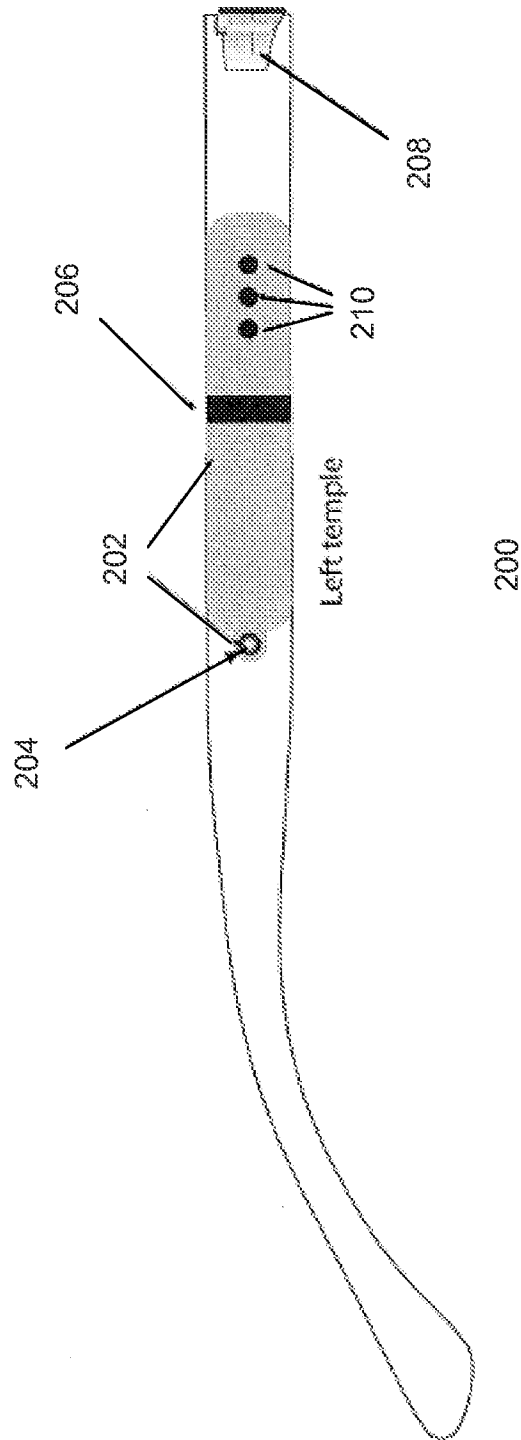


FIG. 4

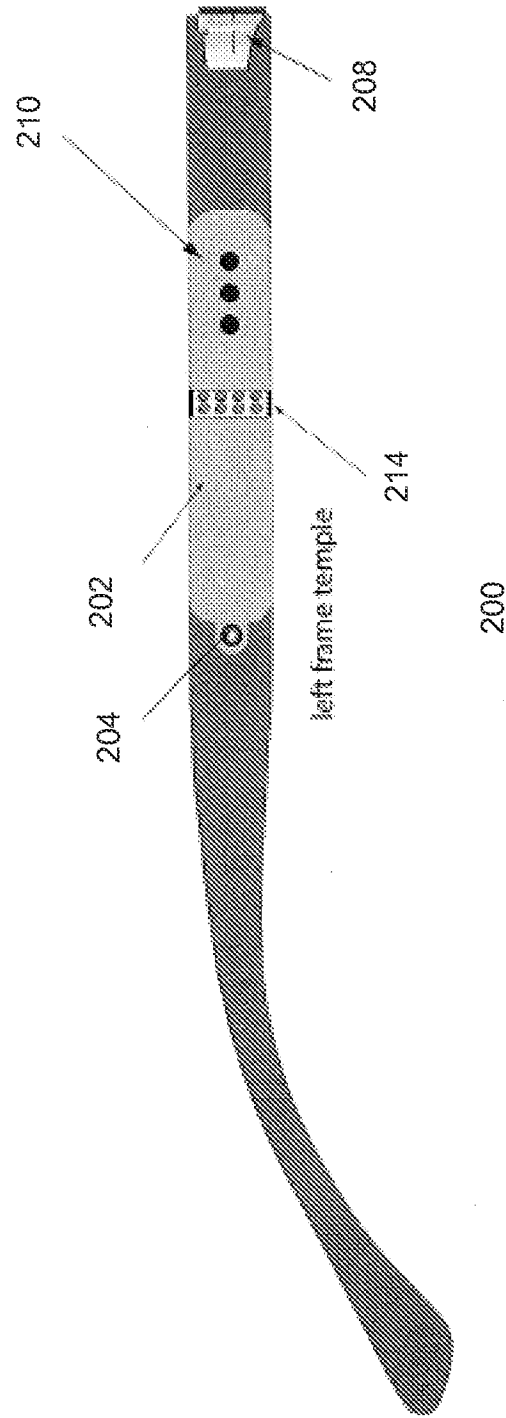


FIG. 5

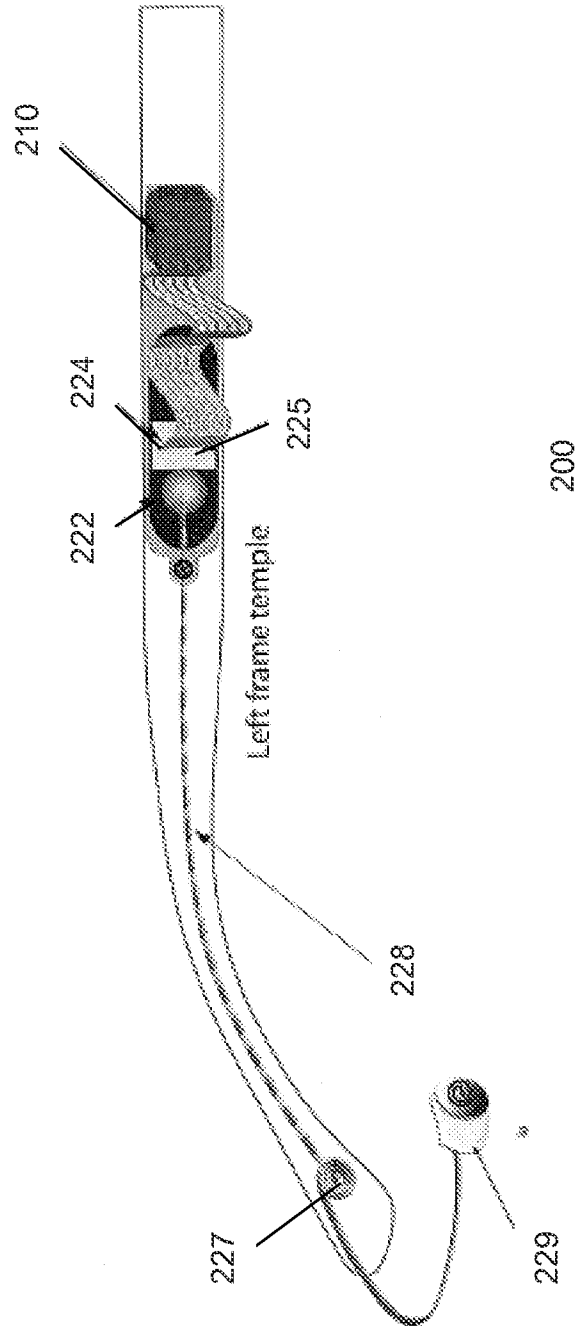


FIG. 6

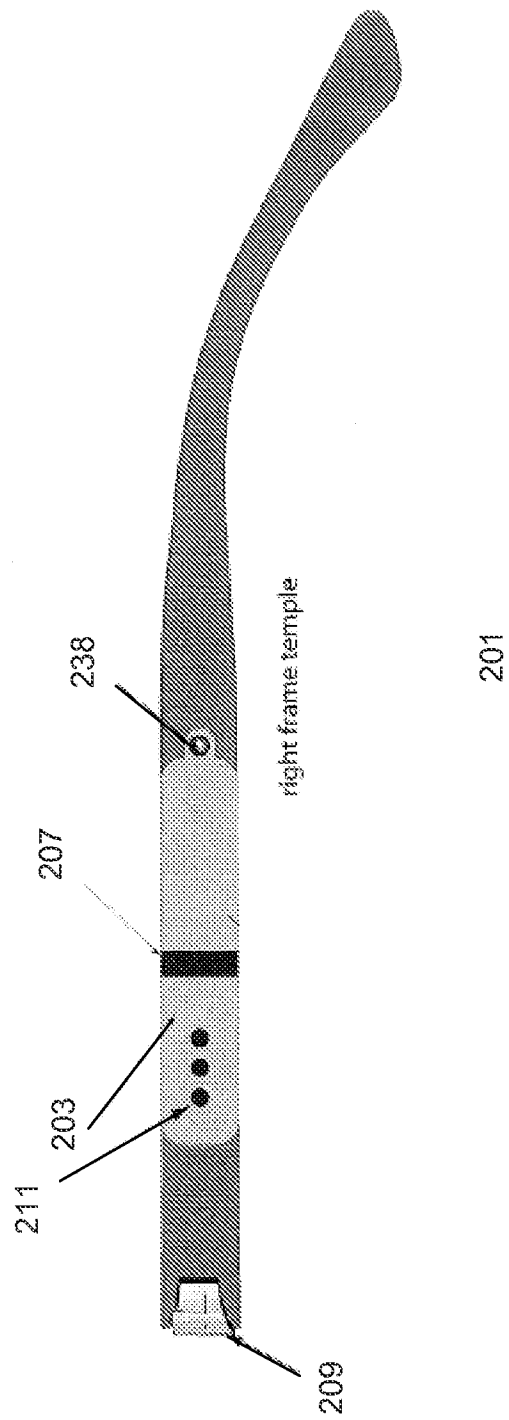


FIG. 7

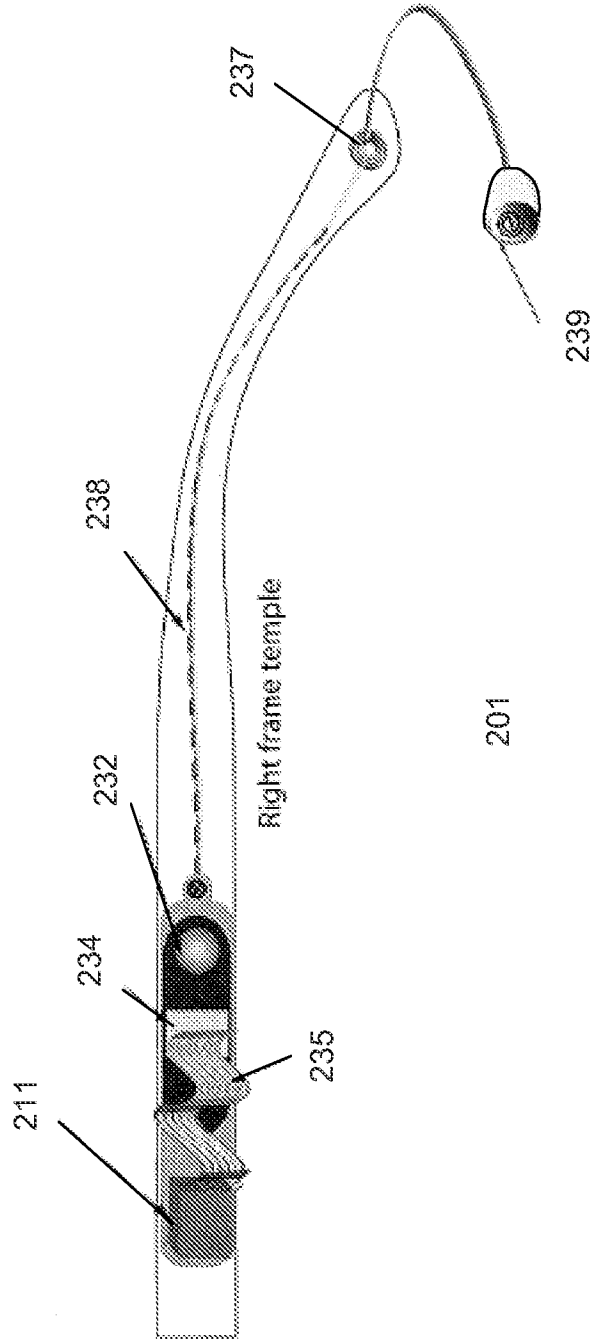


FIG. 8

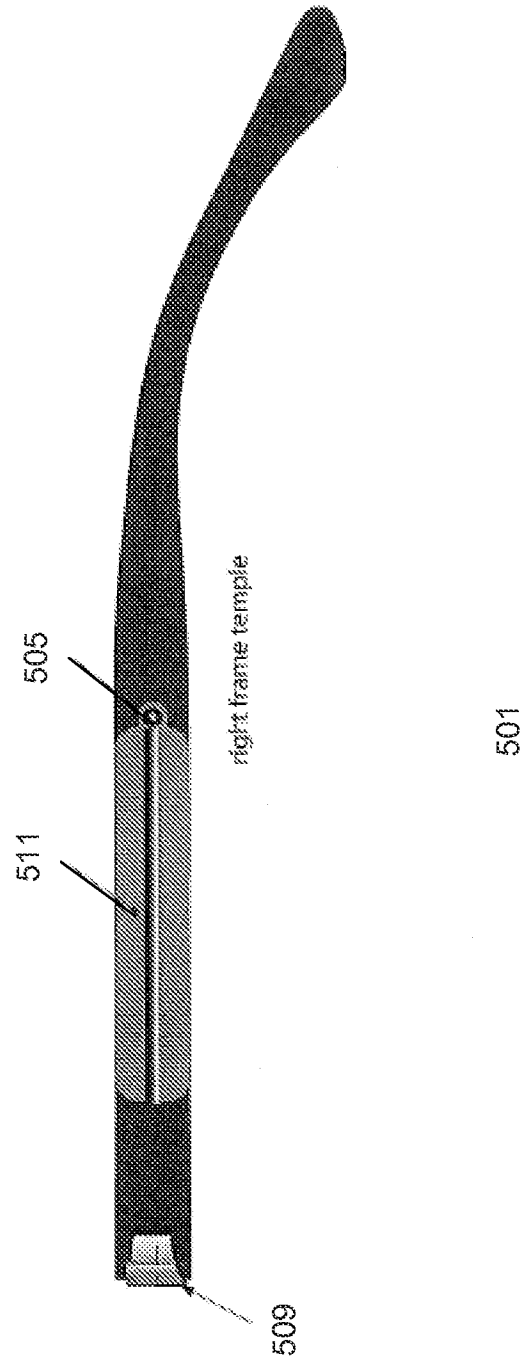


FIG. 9

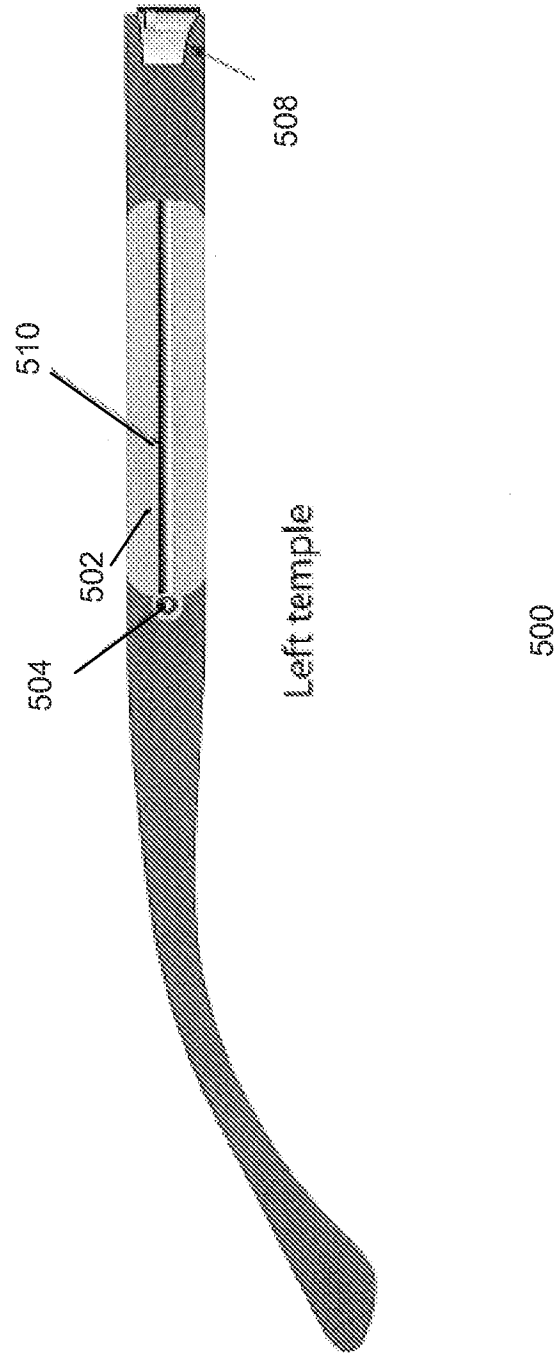


FIG. 10

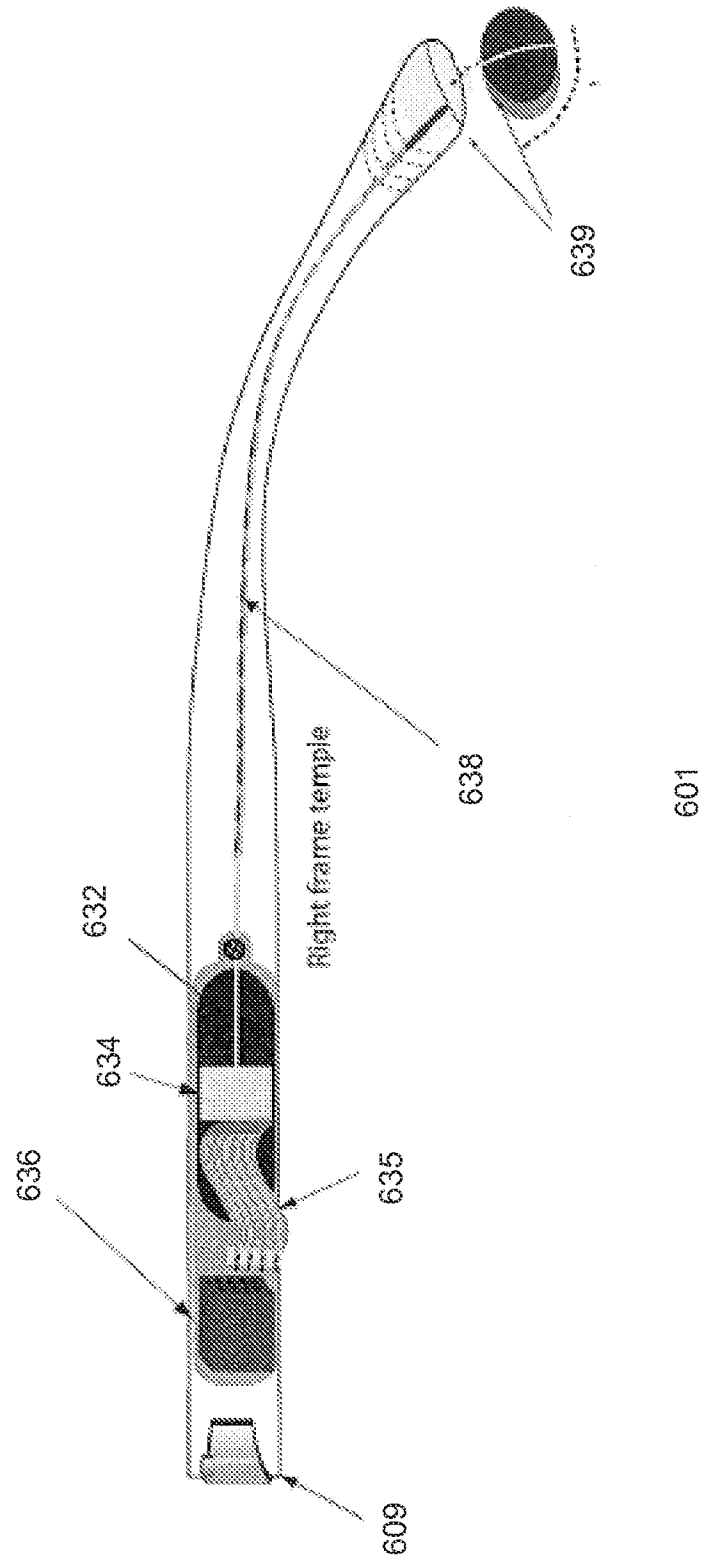


FIG. 11

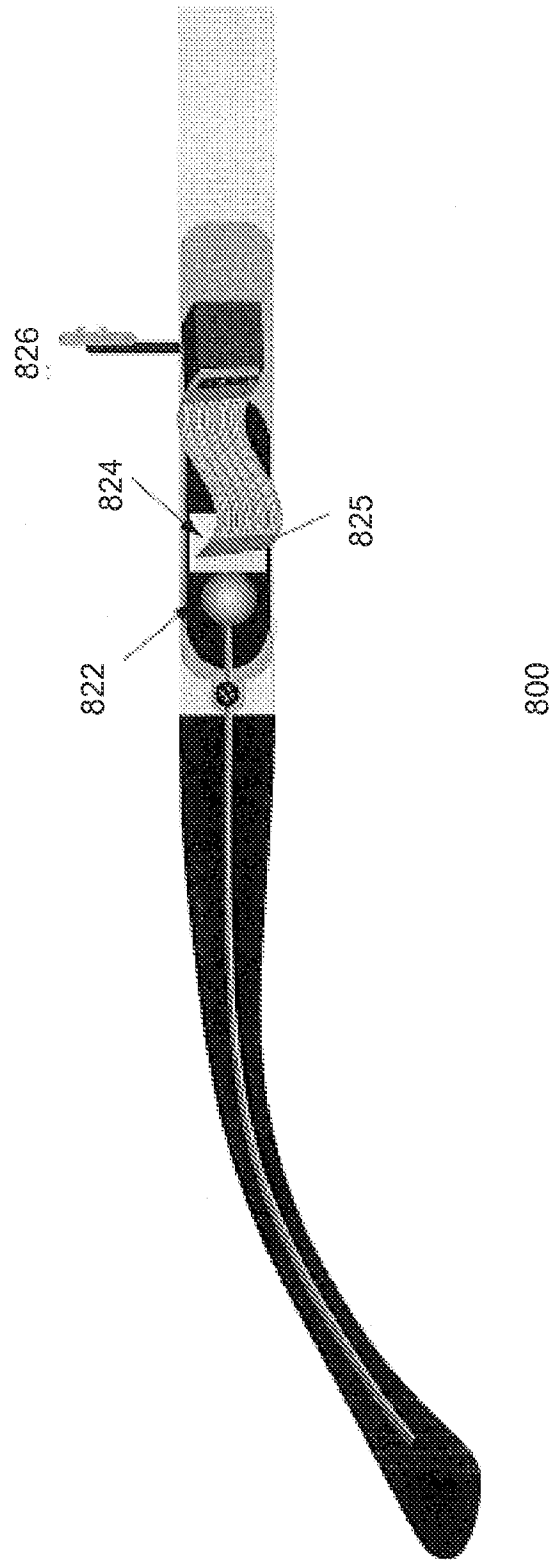


FIG. 12

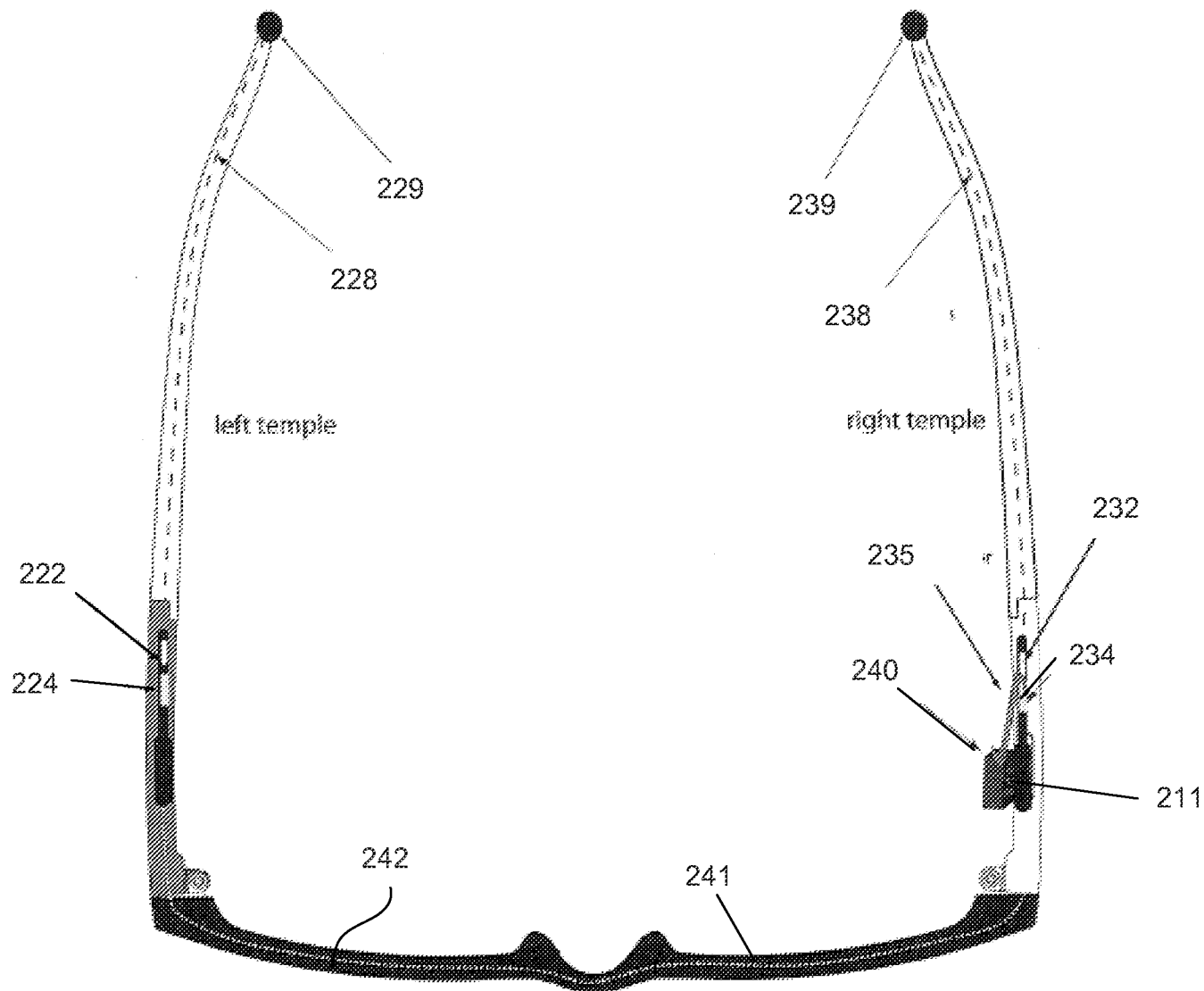


FIG. 13

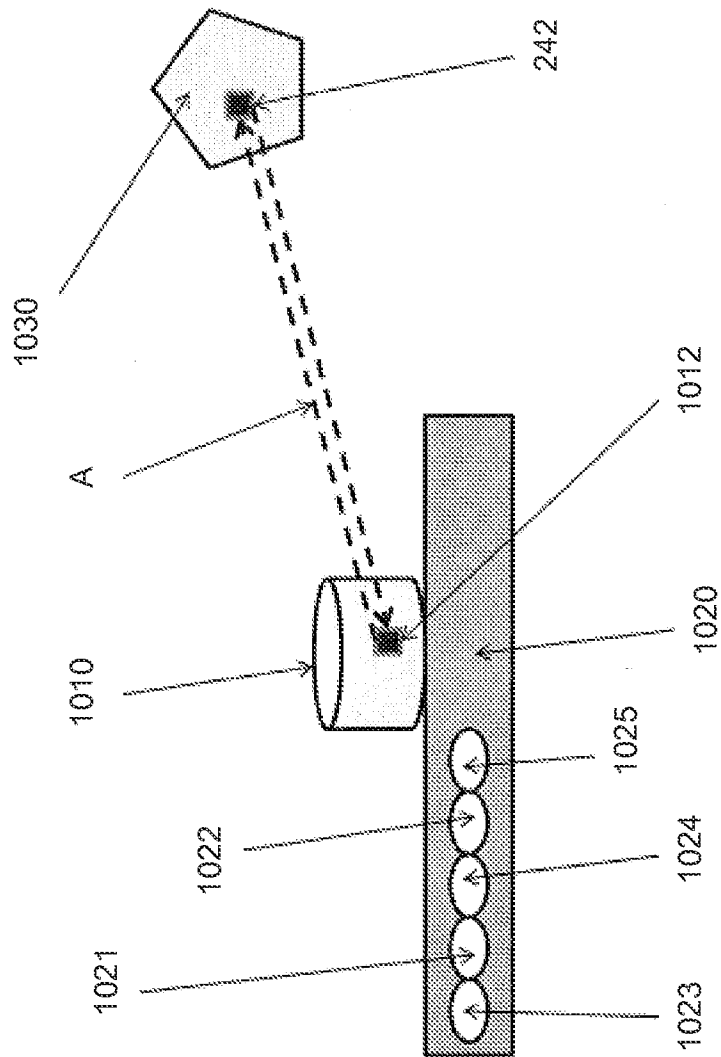


FIG. 14

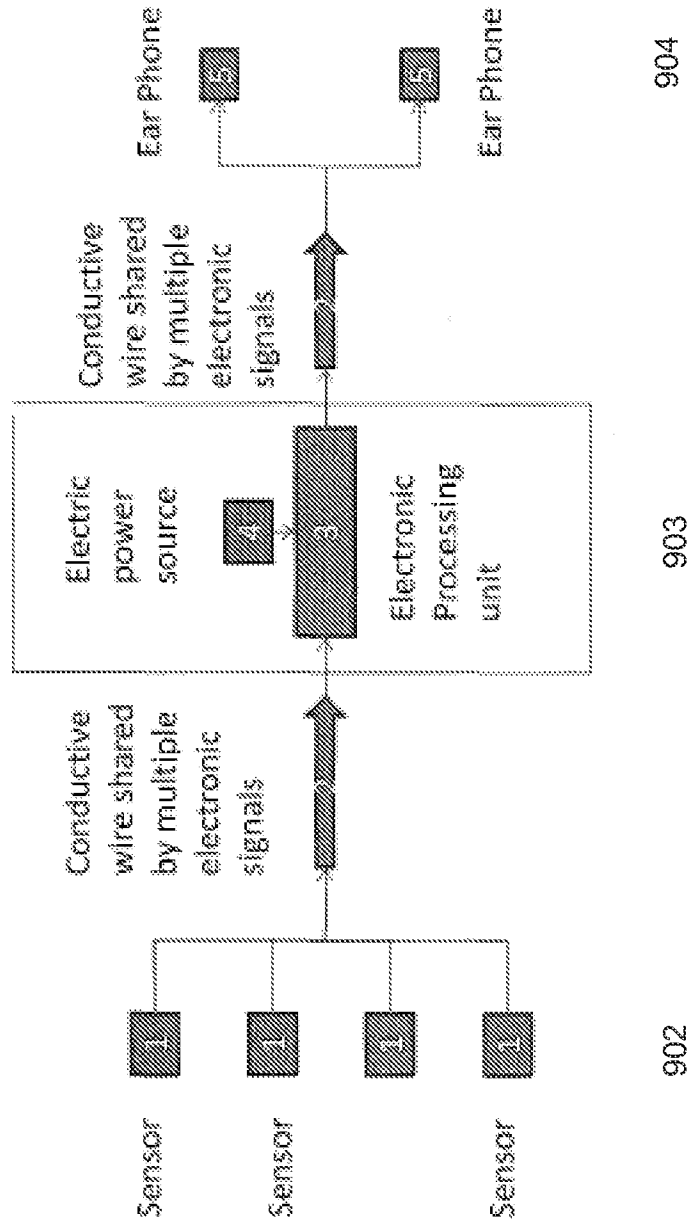


FIG. 15

EYEWEAR DOCKING STATION AND ELECTRONIC MODULE

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] The present application is a continuation of U.S. Application No. 15/975,353, filed on May 9, 2018, which is a continuation of U.S. Application No. 14/808,239, now U.S. Patent No. 10,114,235, filed on July 24, 2015, which is a continuation of U.S. Application No. 13/735,887, now U.S. Patent No. 9,122,083, which was filed on January 7, 2013, and which claims priority to each of the following provisional patent applications: U.S. Application No. 61/583,940, filed on January 6, 2012; U.S. Application No. 61/622,092, filed on April 10, 2012; U.S. Application No. 61/638,150, filed on April 25, 2012; and U.S. Application No. 61/640,425, filed on April 30, 2012, the contents of each of which are incorporated herein by reference in their entireties. U.S. Application No. 11/261,035, filed on October 28, 2005, now U.S. Patent No. 8,778,022, is also incorporated herein by reference in its entirety.

BACKGROUND

[0002] Presently, commercial eyewear comprising electronics are limited to one application in addition to the conventional eyeglass lenses housed within said eyewear. By way of example only, there are commercially available electronic focusing eyeglasses, commercially available eyeglasses with a built in MP3 player, commercially available eyeglasses with video for occupation purposes, and soon there are expected to be commercially available eyeglasses with a built in camera. However, with the exception of inventor's patent application 13/085,562, the prior art teaches eyeglasses capable of one or more applications, but in all cases the applications are built into the eyeglasses or, if attached to the eyeglass frames, do so such that only one application device at a time is available in addition to the standard lenses housed by the eyeglass frames. Inventor's prior patent application 13/085,562 teaches the front of eyewear being used as a docking station for applying a clip on means which can house various application devices. The application devices receive at least some of their electrical power needed to drive the application devices. While patent application 13/085,562 teaches a means of applying (one at a time) a plurality of application devices to eyewear the means of doing so causes the lenses to look thick, adds weight to the front of the eyewear, and distracts from the aesthetics of the eyewear.

[0003] Today there are so many electronic devices each capable of providing an occupational benefit or personal benefit for the user. These electronic devices have been in many cases miniaturized. The modern world operates at a very high pace whereby being able to provide benefits to the user in a hands free manner is very efficient and beneficial. However, if one wants to purchase "fashionable" eyewear capable of being used for a plurality of functions beyond correcting the refractive error of the wearer and/or providing a tinted means to make the wearer's eyes more comfortable, such eyewear does not exist. Needless to say there is a need for a single pair of fashionable eyewear capable of utilizing one or more of a multitude of different application devices while the wearer is wearing the eyewear.

SUMMARY

[0004] The present subject matter is directed to electronic eyewear modules and systems to be worn by a wearer, whereby an electronic eyewear system with a docking station can be easily joined with a plurality of electronic application modules (also referred to herein as application devices or application modules), preferably in a standardized manner. These application modules can each fit together with the docking station and may be utilized one or more at a time while the eyewear is being worn by a wearer. The modularity may also provide a user with a variety of interchangeable applications, each of which may be recognized by the eyewear system. In the event that electronic application modules break, they can also be easily replaced without replacing the entire system.

[0005] The invention disclosed herein allows for the eyewear to remain fashionable and does not distract from the cosmetic design of the eyewear. Furthermore the invention disclosed herein provides additional weight of one or more application devices to be distributed in a comfortable manner when worn by the wearer.

[0006] According to first aspects of the invention, an application module is provided that is adapted to be mounted to an eyewear docking station. The application module may include one or more of an electronic device configured to perform a function; an attachment mechanism configured to secure the application module to the docking station in a substantially fixed position; and/or a plurality of preconfigured application connection points. In embodiments, the plurality of preconfigured application connection points may include at least two different sub-function connections used to support the function of the electronic device.

[0007] In embodiments, the application connection points may be configured to attach to a universal connector cable. In embodiments, the application connection points may be configured to connect directly to corresponding application connection points of an eyewear frame.

[0008] In embodiments, the different sub-function connections may include at least two of power supply, audio out, audio in, audio ground, video out, and video in. In embodiments, the different sub-function connections may further include data output, data input, control signal output, and/or control signal input.

[0009] In embodiments, the different sub-function connections may preferably include a power supply, an audio out, and control input.

[0010] In embodiments, the different sub-function connections may preferably include a data input and a control signal output. In embodiments, the data input may include sensor data, and the application module may be configured to control a lens function of the eyewear via the control signal output based on the data input.

[0011] In embodiments, the different sub-function connections may preferably include a power supply configured for the application module to receive at least one of operating power and recharging power from the eyewear.

[0012] In embodiments, the function of the electronic device may include at least one of audio playback, audio recording, acoustic amplification, acoustic canceling, hearing aid, video playback, video recording, photography, fall detection, alertness monitoring, pedometer, geo-location, pulse detector, wireless communication (e.g. cellular phone, Bluetooth, WiFi, IR, etc.), virtual reality, augmented reality, gaming, eye tracking, pupil monitoring, lens control, automated reminder, visible and/or non-visible lighting, lasing, IR and/or thermal detection, and alarm, any of which may be provided to a user via the eyewear.

[0013] In embodiments, the electronic device is configured to provide at least one of virtual reality and augmented reality to a user via the eyewear.

[0014] In embodiments, each application module may include its own circuitry and logic sufficient to control the function of the application module, and/or to control function of a device included within the eyewear frame.

[0015] In embodiments, the attachment mechanism may include one or more of pins, detents, rails, magnets, sockets, or other means known in the art for joining small components together, preferably in a releasable manner.

[0016] In embodiments, the application module may be configured to provide a recognizable signal, and/or may include a recognizable feature, such that the eyewear can determine the function of the application module, a type of the application module, and/or variable capabilities of the application module.

[0017] In embodiments, the application module may be substantially water resistant, sweat resistant, water proof, and/or wear resistant.

[0018] According to further aspects of the invention, an eyewear system may be provided including an eyewear frame with a docking station, and an application module adapted to be mounted to the docking station. In embodiments, the eyewear frame may include an electronic connector including a first set of preconfigured application connection points, and the application module may include an electronic device configured to perform a function and a second set of preconfigured application connection points corresponding to at least some of the first set of preconfigured application connection points. In embodiments, the second set of preconfigured application connection points may include at least two different sub-function connections used to support the function of the electronic device.

[0019] In embodiments, the application connection points may be configured to attach to a universal connector cable. In embodiments, the eyewear system may further include the universal connector cable. In embodiments, the eyewear frame may be configured to connect to the universal connector cable, and for connecting the application connection points to the universal connector cable.

[0020] In embodiments, the application connection points of the application module may be configured to connect directly to corresponding application connection points of the eyewear frame.

[0021] In embodiments, the different sub-function connections may include at least two of power supply, audio out, audio in, audio ground, video out, and video in. In embodiments, the different

sub-function connections may further include data output, data input, control signal output, and/or control signal input.

[0022] In embodiments, the different sub-function connections may preferably include a power supply configured for the application module to receive at least one of operating power and recharging power from the eyewear frame.

[0023] In embodiments, the function of the electronic device may include at least one of audio playback, audio recording, acoustic amplification, acoustic canceling, hearing aid, video playback, video recording, photography, fall detection, alertness monitoring, pedometer, geo-location, pulse detector, wireless communication, virtual reality, augmented reality, gaming, eye tracking, pupil monitoring, lens control, automated reminder, lighting, lasing, and alarm.

[0024] In embodiments, the eyewear frame may include a lens, and the electronic device may be configured to at least partially control said lens. For example, the lens may be an electro-active lens and the electronic device may be configured to control a focus, tint or other change of the lens based on sensed conditions (such as lighting) and/or user commands. In other embodiments, the lens may have built in display functions that can be controlled by the electronic device, such as with virtual or augmented reality, or gaming.

[0025] In embodiments, the eyewear lens may be one of a dynamic focusing lens, static focusing lens, tinted lens, photochromic lens, electrochromic lens, thermochromic lens, or display.

[0026] In embodiments, the eyewear frame may include a speaker, and the electronic device may be configured to provide an audio signal to the speaker.

[0027] In embodiments where the eyewear frame includes at least one of a speaker and a lens, the electronic device may be configured to provide at least one of virtual reality and augmented reality to a user via the speaker and/or lens.

[0028] In embodiments, the eyewear frame may include one or more of removable or fixed storage media, a communication device, a power source, a microphone, a bone-phone, a microprocessor,

[0029] In embodiments wherein the eyewear frame includes a power source, the power source may be, for example, a rechargeable battery, disposable battery, fuel cell, solar cell, or kinetic energy source.

[0030] In embodiments, the eyewear frame may be configured to determine one or more of the function of the application module, a type of the application module, and/or variable capabilities of the application module based on a recognizable signal from, or other characteristic of, the application module.

[0031] In embodiments, the docking station and/or application module may be configured to convert the application module from a non- functioning application module into that of a functioning application module upon being docked to said docking station.

[0032] According to further aspects of the invention, an electronic eyewear system to be worn by a wearer is provided, whereby said electronic eyewear system comprises a means of securing said eyewear to the head of a wearer, an eyewear front, a docking station which is part of said eyewear, a plurality of application device modules which each can fit into said docking station one at a time and whereby the docking station provides for enabling the routing of electrical power to the application device module.

[0033] In embodiments, the application device modules devices may be utilized more than one at a time while the eyewear is being worn by a wearer.

[0034] Embodiments may further include a controller configured to be connected to the application device modules.

[0035] Embodiments may further include a multi-function connector configured to connect to the application device modules, and to provide at least two functions to the application device modules via said controller.

[0036] In embodiments, the application device modules may include at least one camera and at least one microphone.

[0037] In embodiments, the application device modules may include at least two cameras configured to be mounted for stereoscopic imaging.

[0038] In embodiments, the application device modules may include at least two hearing aids configured to be mounted in proximity to opposite ears of the wearer.

[0039] The application device modules may include one or more of still photo camera, video camera, digital audio player, display, projector, hearing aid, fall detector, alertness monitor, pedometer, pulse detector, cell phone, audio system, communication system, video system, music

system, audio system, CO2 detector, poor air quality alert device, bad breath detector, thermometer, refractive error measurement device, GPS system, virtual reality system, augmented reality system, gaming system, eye tracking device, pupil monitor device, sensor, smoke detector, pill reminder, medication reminder, speaker, light, laser.

[0040] In some embodiments, the eyewear system can include an intermediate electrical contact. A functional member of the eyewear (e.g. active lens, speaker, sensor, microprocessor, or other device located in the eyewear frame) can include an electrical connector, and the intermediate electrical contact can connect the electronics of the application module to the functional member. The intermediate electrical contact can be a plug-and-receptacle electrical contact. In some embodiments, the intermediate electrical contact is located at one of: a rim of the eyewear, the rear 1/3 of the temple, the middle of the temple, the forward 1/3 of the temple, the rim lock or hinge, of the eyewear, a surface of the optical functional member, a frame front of the eyewear, an electronic display, an electronic controller, and between the rim and the lens of the eyewear.

[0041] In some embodiments, the eyewear frame can include a temple and a rimlock. In those embodiments, the functional member of the eyewear can be located in the temple, and a connective element can be routed from the application module through the rimlock to the optical functional member. In some embodiments, the rimlock includes an upper rimlock and a lower rimlock, and the connective element is routed between the upper rimlock and the lower rimlock. The rimlock can include upper rimlock and a lower rimlock, and the connective element can form a layer between the upper rimlock and the lower rimlock. The layer can be insulating. In some embodiments, the connective element can be a conductive compressible member that can be conductive rubber. In some embodiments, the connective element comprises a multi-conductor cable.

[0042] Additional features, advantages, and embodiments of the invention may be set forth or apparent from consideration of the following detailed description, drawings, and claims. Moreover, it is to be understood that both the foregoing summary of the invention and the following detailed description are exemplary and intended to provide further explanation without limiting the scope of the invention claimed. The detailed description and the specific examples, however, indicate only preferred embodiments of the invention. Various changes and

modifications within the spirit and scope of the invention will become apparent to those skilled in the art from this detailed description.

DESCRIPTION OF THE DRAWINGS

[0043] The accompanying drawings, which are included to provide a further understanding of the invention, are incorporated in and constitute a part of this specification, illustrate embodiments of the invention and together with the detailed description serve to explain the principles of the invention. No attempt is made to show structural details of the invention in more detail than may be necessary for a fundamental understanding of the invention and various ways in which it may be practiced. In the drawings:

[0044] FIG. 1 illustrates an exemplary application module in accordance with an aspect of the present invention.

[0045] FIG. 2A illustrates a portion of an exemplary eyewear frame temple, including a docking station and connection points in accordance with an aspect of the present invention.

[0046] FIG. 2B illustrates a portion of an exemplary eyewear frame temple, such as shown in FIG. 2A, including a docked application module in accordance with an aspect of the present invention.

[0047] FIG. 3 is a top-down view of an exemplary frame including earbuds and docked application modules connected to connection points of the frame in accordance with an aspect of the present invention.

[0048] FIG. 4 illustrates a portion of a frame including a docking station in accordance with an aspect of the present invention.

[0049] FIG. 5 illustrates a portion of a frame including a docking station and exposed connection points in accordance with an aspect of the present invention.

[0050] FIG. 6 illustrates a portion of a frame including an earbud and a docked application module connected to connection points of the frame using a universal connector in accordance with an aspect of the present invention.

[0051] FIG. 7 illustrates a portion of a frame including a docking station in accordance with an aspect of the present invention.

[0052] FIG. 8 illustrates a portion of a frame including an earbud and a docked application module connected to connection points of the frame using a universal connector in accordance with an aspect of the present invention.

[0053] FIG. 9 illustrates a portion of a frame including a docking station track in accordance with an aspect of the present invention.

[0054] FIG. 10 illustrates a portion of a frame including a docking station track in accordance with an aspect of the present invention.

[0055] FIG. 11 illustrates a portion of a frame including a docked application module and a removable functional member in accordance with an aspect of the present invention.

[0056] FIG. 12 illustrates a portion of a frame including a docked application module camera connected to connection points of the frame using a universal connector in accordance with an aspect of the present invention.

[0057] FIG. 13 is a top-down view of an exemplary frame including a docked application module that is connected to connection points on one side of the frame, and in communication with electronics on an opposite side of the frame, in accordance with an aspect of the present invention.

[0058] FIG. 14 is a schematic diagram of an electronics module including a wireless transceiver in accordance with an aspect of the present invention.

[0059] FIG. 15 is a schematic diagram of portions of an eyewear system in accordance with an aspect of the present invention.

DETAILED DESCRIPTION

[0060] It is understood that the invention is not limited to the particular methodology, protocols, etc., described herein, as these may vary as the skilled artisan will recognize. It is also to be understood that the terminology used herein is used for the purpose of describing particular embodiments only, and is not intended to limit the scope of the invention. It also is to be noted that as used herein and in the appended claims, the singular forms "a," "an," and "the" include the plural reference unless the context clearly dictates otherwise. Thus, for example, a reference to "a module" is a reference to one or more modules and equivalents thereof known to those skilled in the art.

[0061] Unless defined otherwise, all technical terms used herein have the same meanings as commonly understood by one of ordinary skill in the art to which the invention pertains. The embodiments of the invention and the various features and advantageous details thereof are explained more fully with reference to the non-limiting embodiments and examples that are described and/or illustrated in the accompanying drawings and detailed in the following description. It should be noted that the features illustrated in the drawings are not necessarily drawn to scale, and features of one embodiment may be employed with other embodiments as the skilled artisan would recognize, even if not explicitly stated herein. Descriptions of well-known components and processing techniques may be omitted so as to not unnecessarily obscure the embodiments of the invention. The examples used herein are intended merely to facilitate an understanding of ways in which the invention may be practiced and to further enable those of skill in the art to practice the embodiments of the invention. Accordingly, the examples and embodiments herein should not be construed as limiting the scope of the invention, which is defined solely by the appended claims and applicable law. Moreover, it is noted that like reference numerals reference similar parts throughout the several views of the drawings.

[0062] Some terms that are used herein are described in further detail as follows:

[0063] As used herein, the term "approximately" may refer to plus or minus 10 percent, inclusive. Thus, the phrase "approximately 10 mm" may be understood to mean from 9 mm to 11 mm, inclusive. As used herein, the term "substantially" may refer to plus or minus a percent that is recognized as within manufacturing tolerances or other unintended or inconsequential variations.

[0064] As used herein, the term "comprising" is not intended to be limiting, but may be a transitional term synonymous with "including," "containing," or "characterized by." The term "comprising" may thereby be inclusive or open-ended and does not exclude additional, unrecited elements or method steps when used in a claim or to describe an embodiment. For instance, in describing a method, "comprising" indicates that the claim is open-ended and allows for additional steps. In describing a device, "comprising" may mean that a named element(s) may be essential for an embodiment, but other elements may be added and still form a construct within the scope of a claim. In contrast, the transitional phrase "consisting of" excludes any element, step, or ingredient not specified in a claim. This is consistent with the use of the term throughout the specification.

[0065] As used herein, a "conductive path" refers to a continuous path for which electrons (i.e. current) may flow from one point to another. The conductive path may comprise one component, or more than one component. For instance, a conductive path may comprise portions of a lens housing, a temple, a hinge, a lens, and/or conductive material disposed between (or within) some or all of the components.

[0066] As used herein, "coupled" may refer to any manner of connecting two components together in any suitable manner, such as by way of example only: attaching (e.g. attached to a surface), disposing on, disposing within, disposing substantially within, embedding within, embedded substantially within, etc.. "Coupled" may further comprise fixedly attaching two components (such as by using a screw, an adhesive, or embedding a first component into a second component during a manufacturing process), but does not so require. Two components may be coupled temporarily simply by being in physical contact with one another. Two components are "electrically coupled" or "electrically connected" if current can flow from one component to another. That is, the two components do not have to be in direct contact such that current flows from the one component directly to the other component. There may be any number of other conductive materials and components disposed electrically between two components "electrically coupled" so long as current can flow there between.

[0067] As used herein, a "dynamic lens" may refer to a lens with an optical power which is alterable with the application of electrical energy, mechanical energy or force. Either the entire lens may have an alterable optical power, or only a portion, region or zone of the lens may have an alterable optical power. The optical power of such a lens is dynamic or tunable such that the optical power can be switched between two or more optical powers. The switching may comprise a discrete change from one optical power to another (such as going from an "off" or inactive state to an "on" or active state) or it may comprise continuous change from a first optical power to a second optical power, such as by varying the amount of electrical energy to a dynamic element (e.g. tunable). One of the optical powers may be that of substantially no optical power. A dynamic lens may also be referred to as a dynamic optic, a dynamic optical element, a dynamic optical zone, dynamic power zone, or a dynamic optical region.

[0068] As used herein, an "eyewear frame" is intended to generally refer to a complete wearable housing that secures at least one element in a location relative to the wearer's eyes when being

worn such that the wearer can see, or see through, the element. The eyewear frame may comprise elements such as a first and second temple, a lens housing that is configured to support a lenses, one or more hinges, and any other related component. On the other hand, a "spectacle frame" may refer to a complete wearable housing that secures spectacle lenses and aligns them in the proper place relative to the wearer's eyes when being worn. The frame may comprise elements such as a first and second temple, a lens housing that is configured to support the spectacle lenses, one or more hinges, and any other related component.

[0069] As used herein, a "lens" may refer to any device or portion of a device that causes light to converge or diverge. The device may be static or dynamic. A lens may be refractive or diffractive. A lens may be concave, convex or plano on one or both surfaces. A lens may be spherical, cylindrical, prismatic or a combination thereof. A lens may be made of optical glass, plastic or resin. A lens may also be referred to as an optical element, an optical zone, an optical region, an optical power region or an optic. It should be noted that within the optical industry a lens can be referred to as a lens even if it has zero optical power. Moreover, a lens may refer to both intra-ocular and extra-ocular components.

[0070] As used herein, a "lens housing" may refer to a part of the frame that is configured or adapted to support or hold the first and the second lenses in place (preferably firmly in place). The lens housing may also comprise the part of the frame to which the temples attach. The lens housing may comprise any component or material adapted to support the lenses, including, for example, screws, nylon monofilament, eye-wire, etc. or any combination thereof. The lens housing may comprise any material, including metal or plastic. A lens housing may be included in any type of frame design, including fully rimmed, semi-rimless, and rimless. In some embodiments, the lens housing may also include the bridge, such as when the lens housing comprising a single component or two components that support both the first and the second lens.

[0071] As used herein, a "multi-focal lens" may refer to a lens having more than one focal point or optical power. Such lenses may be static or dynamic. Examples of static multifocal lenses include a bifocal lens, trifocal lens or a Progressive Addition Lens. Examples of dynamic multifocal lenses include electro-active lenses whereby various optical powers may be created in the lens depending on the types of electrodes used, voltages applied to the electrodes and index of refraction altered within a thin layer of liquid crystal. Multifocal lenses may also be a combination

of static and dynamic. For example, an electro-active element may be used in optical communication with a static spherical lens, static single vision lens, and static multifocal lens such as, by way of example only, a Progressive Addition Lens.

[0072] As used herein, an "ophthalmic lens" may refer to a lens suitable for vision correction, which may include a spectacle lens, a contact lens, an intra-ocular lens, a corneal in-lay, and a corneal on-lay.

[0073] As used herein, a "substrate" is a component that is generally well-known in the field of optics. A substrate typically refers to the component of a lens that is first fabricated or provided, and on which additional layers or materials may be deposited. A substrate may have dimensions on the order of millimeters or fractions of millimeters, whereas coatings and other deposited layers on the substrate typically have dimensions (i.e. thicknesses) that are on the order of microns. Examples of substrates may include, for example, lens blanks, semi-finished lens-blanks, or lens wafers.

[0074] Turning to the figures, FIG. 1 illustrates an exemplary application module in accordance with an aspect of the present invention. In particular, application module 100 is adapted to be mounted to an eyewear docking station, examples of which are described further below. In the example shown in FIG. 1, the application module 100 includes docking pins 160 that are configured to plug into corresponding sockets in an eyewear frame (not shown). In embodiments, application module 100 may also be sized to fit within a recess in an eyewear frame, though it can also be attached external to the eyewear frame.

[0075] Application module 100 may include one or more electronic device(s) configured to perform one or more functions such as, for example, of audio playback, audio recording, acoustic amplification, acoustic canceling, hearing aid, video playback, video recording, photography, fall detection, alertness monitoring, pedometer, geo-location, pulse detector, wireless communication (e.g. cellular phone, Bluetooth, WiFi, IR, etc.), virtual reality, augmented reality, gaming, eye tracking, pupil monitoring, lens control, automated reminder, visible and/or non-visible lighting, lasing, IR and/or thermal detection, and alarm, any of which may be provided to a user via the eyewear. One advantage of the present subject matter is that, as discussed further below, a variety of functional modules may be interchanged with an eyewear system using a "universal docking station," which includes a plurality of standardized connection points, e.g. power, audio, video etc.

In embodiments, the audio and/or video may be analog connections. Thus, the modules can be relatively small, lightweight, with reduced processing capability than might otherwise be required, e.g. if the connection only allowed for digital data transmission. In embodiments, the connections may further include data output, data input, control signal output, and/or control signal input. Each application module may include its own circuitry and logic sufficient to control the function of the application module, and/or to control function of a device included within the eyewear frame.

[0076] In preferred embodiments, the electronic device is configured to control an aspect of an electronic lens, and/or provide at least one of virtual reality and augmented reality to a user via the eyewear.

[0077] Returning to FIG. 1, it should be noted that the attachment mechanism including the fixed pins can take many forms, e.g. one or more of pins, detents, rails, magnets, sockets, or other means known in the art for joining small components together, preferably in a releasable manner. These can be configured to secure the application module to a docking station in a relatively fixed position.

[0078] As also shown in FIG. 1, the application module 100 includes a plurality of preconfigured application connection points, also referred to as sub-function connections, in this case power connections 110, audio connections 120, audio ground 130, microphone ground 140, and video 150. In embodiments, the different sub-function connections may include at least two of power supply, audio out, audio in, audio ground, video out, and video in. In embodiments, the different sub-function connections may further include data output, data input, control signal output, and/or control signal input.

[0079] The examples shown in FIG. 1 are merely exemplary, as a variety of such connection points are contemplated as within the scope of the invention. Indeed, it is expected that various application modules will use only a subset of the preconfigured application points which are supported by the eyewear frame. This is intended to, for example, improve with the ease of modularity related to the design. The actual preconfigured application connection points included in a particular application module may include different sub-function connections used to support the function of the electronic device. For example, if the device included in the module is intended to function as a hearing aid, it may typically include a power connection, an audio out connection, and an audio in connection, and may include one or more data/command connections to provide,

for example, additional processing support or functionality. Some non-limiting, but preferable, examples of pre-configured sub-function connections may include a power supply, an audio out, and control input; a data input and a control signal output; a power supply configured for the application module to receive at least one of operating power and recharging power from the eyewear.. In embodiments, the data input may include sensor data, and the application module may be configured to control a lens function of the eyewear via the control signal output based on the data input.

[0080] It should be appreciated that, as discussed further below, the application connection points may be configured to attach to a universal connector cable and/or to connect directly to corresponding application connection points of an eyewear frame.

[0081] The application module 100 may be configured to provide a recognizable signal, e.g. though a data, or other, connection point, and/or may include a recognizable feature (e.g. a variable number/pattern of docking pins, such that the eyewear can determine the intended function of the application module, a type of the application module, and/or variable capabilities of the application module. For example, the eyewear connection points can register circuits, or output, related to any of the pre-configured connection points

[0082] In embodiments, the application module 100 may be substantially water resistant, sweat resistant, water proof, and/or wear resistant. For example, the casing of the application module 100 may be water proof, and each of the connection points may be sealed, individually or collectively, in a manner to make them water resistant, sweat resistant, water proof, and/or wear resistant. The application module 100 may also be configured to be substantially water resistant, sweat resistant, water proof, and/or wear resistant when mounted to the docking station, eyewear frame and/or a universal connector. For example, the application module 100 may include a gasket or other sealing mechanism around the preconfigured application connection points such that when the application module 100 is mounted to the docking station, eyewear frame and/or a universal connector, the application connection points are substantially water resistant or water proof.

[0083] Additional details regarding possible mounting arrangements for the application module 100 are shown in FIGS. 2A and 2B. FIG. 2A illustrates a portion of an exemplary eyewear frame temple 101, including a docking station and connection points in accordance with an aspect of the present invention, and FIG. 2B illustrates a portion of an exemplary eyewear frame temple, such

as shown in FIG. 2A, including a docked application module 100 in accordance with an aspect of the present invention.

[0084] As shown in FIG. 2A, an eyewear frame temple portion 101 may include a recessed portion with docking pin recesses 161 corresponding to one or more of docking pins 160. As noted previously, certain embodiments may allow for the eyewear to detect the type of application module via arrangement of pins/recesses or other means. Therefore, although docking pin recesses 161 are shown corresponding to all docking pins 160, it is also possible for there to be different numbers and arrangements of docking pins/recess among different application modules useable by the same docking station.

[0085] The recess in eyewear frame temple portion 101 also includes preconfigured application connection points, in this case power connections 111, audio connections 121, audio ground 131, microphone ground 141, and video 151. As noted previously, certain embodiments may allow for different application modules to use only a subset of the connection points included in the docking station of the frame. Therefore, although the connection points in FIG. 2A are shown corresponding to all connection points in module 100, it is also possible for there to be different numbers and arrangements of connection points among different application modules useable by the same docking station.

[0086] The preconfigured application connection points included in the recess in eyewear frame temple portion 101 may be configured to directly connect to one or more preconfigured application connection points of the application module when the application module, and/or may be configured to attach to a universal connector cable. The embodiment shown in FIG. 2B represents a possible "direct connect" configuration.

[0087] For clarity the eyewear's docking station is capable of receiving one or more application modules specifically designed to be received by said docking station. In certain cases these application modules may comprise their own electrical power required to operate independently of the eyewear's docking station and in other cases one or more of these application modules will not operate properly when not docked within the eyewear's docking means. It should be pointed out that the inventive docking station disclosed herein is associated and located with the inventive eyewear itself and is not intended to be a docking station which the eyewear itself could be docked to download information, data, or photos to by way of example only, to that of a computer, or to

become recharged, or to have the eyewear's software upgraded from a docking station to which the eyewear is docked.

[0088] Further, in most cases each application modules has either a similar or identical docking means that fits and provides one or more of the appropriate connectivity (electrical, audio, video, memory) within the eyewear's docking station. However, in certain other cases the docking means located on or near the end of the application device can be of a different design but will still allow for docking and connecting within the eyewear's docking station.

[0089] For clarity the term "docking means" as used herein is that of the architecture / engineering design which allows for the application modules to be attached / connected to the docking station. The "docking station" is the station which receives the docking means of an application device.

[0090] As shown in FIG. 2B, an application module 100 may be mounted to eyewear frame temple portion 101 in the recessed portion with one or more docking pins 160 inserted in docking pin recesses 161. In this case, the application connection points included in the recess, such as power connections 111, are configured to directly connect to the application connection points (not shown) of the application module 100 when the application module is docked.

[0091] FIG. 3 is a top-down view of an exemplary frame including earbuds and docked application modules connected to connection points of the frame in accordance with an aspect of the present invention. As shown in FIG. 3, an eyewear system may be provided including an eyewear frame including lens holder 220, and left and right temple portions. Each of the left and right temple portions include a docking station 210, 211, and a docked application module 226, 236, respectively, adapted to be mounted to the docking station. In this embodiment, each of the left and right temple portions also includes an electronic connector 225, 235, respectively, including a first set of preconfigured application connection points and associated conductive paths, configured to connect application connection points of the modules to the eyewear, or more specifically to application connection points of electronics included in the eyewear temple portions.

[0092] The electronic connectors 225, 235 may be referred to as intermediate electrical contacts, and can include, for example, plug-and-receptacle electrical contacts. In some embodiments, the intermediate electrical contact is located at one of: a rim of the eyewear, the rear 1/3 of the temple, the middle of the temple, the forward 1/3 of the temple, the rim lock or hinge, of the eyewear, a

surface of an eyewear functional member, a frame front of the eyewear, an electronic display, an electronic controller, and/or between the rim and the lens of the eyewear.

[0093] FIG. 3 shows an example of how electronic connectors 225, 235 can be connected at one end to the application modules, and at the other end to electronics modules 224, 234 of the eyewear frame. Electronics modules 224, 234 may take many forms as discussed herein, and, like the application modules may include, for example, one or more of audio playback, audio recording, acoustic amplification, acoustic canceling, hearing aid, video playback, video recording, photography, fall detection, alertness monitoring, pedometer, geo-location, pulse detector, wireless communication, virtual reality, augmented reality, gaming, eye tracking, pupil monitoring, lens control, automated reminder, lighting, lasing, and alarm. Preferably, more robust processing may be included in electronics modules of the frame, thereby reducing the size and/or data or power requirements of the docked application module. Electronics modules 224, 234, or other functional devices included in the eyewear, such as electronic lenses, cameras, displays, microphones, speakers, etc., may be referred to as functional member(s) of the eyewear.

[0094] The application modules 226, 236 and/or electronics modules 224, 234 may include one or more of still photo camera, video camera, digital audio player, display, projector, hearing aid, fall detector, alertness monitor, pedometer, pulse detector, cell phone, audio system, communication system, video system, music system, audio system, CO2 detector, poor air quality alert device, bad breath detector, thermometer, refractive error measurement device, GPS system, virtual reality system, augmented reality system, gaming system, eye tracking device, pupil monitor device, sensor, smoke detector, pill reminder, medication reminder, speaker, light, laser.

[0095] In embodiments, the eyewear frame such as shown in FIG. 3 may include a lens, and the electronic module(s) 224, 234 and/or application module(s) 226, 236 may be configured to at least partially control the lens. For example, the lens may be an electro-active lens and one or more of the modules may be configured to control a focus, tint or other change of the lens based on sensed conditions (such as lighting) and/or user commands. In other embodiments, the lens may have built in display functions that can be controlled by one or more of the modules, such as with virtual or augmented reality, or gaming.

[0096] In embodiments, the eyewear lens may be one of a dynamic focusing lens, static focusing lens, tinted lens, photochromic lens, electrochromic lens, thermochromic lens, or display.

[0097] In embodiments, the eyewear frame may include a speaker, such as earbuds 229, 239, and one or more of the modules may be configured to provide an audio signal to the speaker(s) via audio connectors 228, 238. In certain embodiments, each of application modules 226, 236 may be configured to independently provide audio, lens adjustment, video, etc. to the respective speaker, lens etc. associated with that side of the frame. For example, individually tailored hearing aid functions, prescription adjustment or augmented reality may be independently provided. In embodiments, the customization provided may be improved, at least in part, by independent programming included in electronics modules 224, 234, e.g. different hearing adjustment, or visual correction, while using a standard, functionally equivalent, application module 226, 236.

[0098] In embodiments where the eyewear frame includes at least one of a speaker and a lens, the electronic device may be configured to provide at least one of virtual reality and augmented reality to a user via the speaker and/or lens.

[0099] The frame shown in FIG. 3 also includes power sources 222, 232 in each of the temple portions. The power sources 222, 232 may be connected to application modules 226, 236 to provide operating and/or rechargeable power. However, it should be noted that a single power source may be used to power the one or more application modules etc. The power source(s) may include, for example, one or more of a rechargeable battery, disposable battery, fuel cell, solar cell, or kinetic energy source whereby movement of the eyewear generates power.

[0100] As noted previously, the docking station and/or application module may be configured to convert the application module from a non- functioning application module into that of a functioning application module upon being docked to said docking station. For example, the application modules 226, 236 may be configured such that they are dependent on one or more of power, sensor input, audio input and/or video input from the eyewear frame, or other source, in order to function.

[0101] In embodiments, the application modules 226, 236 may be utilized more than one at a time while the eyewear is being worn by a wearer and/or may include different functionality.

[0102] In embodiments, the eyewear such as shown in FIG. 3 may further include a controller, such as included in electronics modules 224, 234, configured to be connected to the application modules 226, 236, and to provide command signals and/or programming to the application modules 226, 236.

[0103] In some embodiments, the eyewear frame can include a temple and a rimlock. In those embodiments, a functional member of the eyewear can be located in the temple, and a connective element can be routed from the application module through the rimlock to the optical functional member. In some embodiments, the rimlock includes an upper rimlock and a lower rimlock, and the connective element is routed between the upper rimlock and the lower rimlock. The rimlock can include upper rimlock and a lower rimlock, and the connective element can form a layer between the upper rimlock and the lower rimlock. The layer can be insulating. In some embodiments, the connective element can be a conductive compressible member that can be conductive rubber. In some embodiments, the connective element comprises a multi-conductor cable.

[0104] The eyewear of FIG. 3 may include electro-active spectacles or eyeglasses in accordance with an aspect of the present technology. Thus, the spectacles shown in FIG. 3 may be eyeglasses comprising left and right temples and a frame front (the frame front can comprise left and right eyewires or rims, and a bridge, as will be appreciated by one skilled in the pertinent art). Electro-active spectacles and frames of the present technology can be fully rimmed, partially rimmed, or rimless. The spectacles can include a first electro-active lens, and a second electro-active lens. The first and second electro-active lenses can each be an electro-active lens such as described, for example, in U.S. Pat. Appl. No. 12/408,973 (hereinafter the '973 application), filed March 23, 2009, entitled "Electro-Active Diffractive Lens and Method for Making the Same," which is hereby incorporated by reference in its entirety. In general, the first and second electro-active lenses can be any lens or optic capable of changing, varying or tuning the optical power they each provide with the application of electricity.

[0105] The right temple portion can be considered to be a first temple portion that is positioned adjacent to the first electro-active lens. The left temple portion can be considered to be a second temple portion that is positioned adjacent to the second electro-active lens. The bridge can be considered to be part of the frame or to be a separate portion of the spectacles that connects, joins or supports the first and second electro-active lenses. The spectacles can include one or more power sources, e.g. 222, 232 or others, for powering the first and second electro-active lenses. As an example, each power source can include one or more batteries (e.g., conventional rechargeable batteries and/or solar batteries). The spectacles can also include electronics, such as in electronics modules 224, 234, or included in the application modules 226, 236, that can govern operation of

the electro-active lenses. The electronics can comprise one or more control units (e.g., a control unit matched to each electro-active lens) to determine when to activate and when to deactivate the electro-active lenses. The one or more power sources and the electronics of the spectacles can be housed or contained within, or on, any portion of the frame or included in the application modules 226, 236. The one or more power sources and the one or more control units of the spectacles can be grouped together or distributed or dispersed in any manner within, throughout, or on the frame or included in the application modules 226, 236.

[0106] The operation of the electro-active lenses can be synchronized (even if independently programmed). That is, the one or more control units housed in the frame or included in the application modules 226, 236, can coordinate the activation and deactivation of the electro-active lenses such that the electro-active lenses are activated or deactivated at substantially the same time.

[0107] The one or more control units housed in the frame or included in the application modules 226, 236, can automatically operate (e.g., activate and deactivate) the electro-active lenses 104 and 106. As an example, the electro-active lenses 104 and 106 can be activated or deactivated based on a user's head tilt as sensed by the one or more control units. The one or more control units can also enable a user to interact with the electro-active lenses 102 and 104. As an example, a user can manually activate or deactivate the electro-active lenses 104 and 106, override automatic operation of the electro-active lenses 104 and 106, place the electro-active spectacles 100 into a standby mode (in which the electro-active lenses 104 and 106 are neither automatically or manually activated or deactivated), or power off the electro-active spectacles 100.

[0108] The electronics of the electro-active spectacles can include a processor, memory, a power source (e.g., a battery), a gyroscope, and an accelerometer. As previously mentioned, these components can be grouped together or can be distributed within different portions of the frame or included in the application modules 226, 236. As an example, all or a portion of these components can be grouped together to form a self-contained electronic module. The electro-active spectacles can comprise a single electronic module that governs synchronized operation of both the first and second electro-active lenses. Alternatively, operation of the first electro-active lens can be governed by a first electronic module and operation of the second electro-active lens can be governed by a second electronic module. Under this scenario, the first and second electronic modules may be configured to communicate using one or modes of electrical connectivity (e.g.,

wire(s) embedded within a portion of the frame, conductive portion(s) of the frame, conductive metal layer(s) or core(s) encapsulated by non-conductive material, conductive layer(s) of the electro-active lens(es), optical link(s), wireless radio frequency or magnetic field communication).

[0109] It is noted that, in some cases, only one docking station may be provided with the eyewear, whereas in other embodiments multiple docking stations may be provided. In one preferred embodiment of the invention one temple may be utilized for housing an electronic module which controls or alters the optics and/or tint of the eyewear's lenses and a docking station is located on, partially in, or fully embedded in the other temple. In another preferred embodiment of the invention one temple is utilized for housing an electronic module which controls or alters the optics and/or tint of the eyewear's lenses, and a docking station is located on, partially, in or fully embedded within the other temple. In yet another embodiment, such as shown in FIG. 3, two docking stations are provided such that, by way of example only, one can be located with the right temple and one located with the left temple. By way of example only, one example of such eyewear utilizing two docking stations is the use of two cameras; one located in each docking station for the purposes of providing 3D photos, or video. In certain cases when two cameras are utilized a prism lens or lenses may associated such to spread out the horizontal distance angle of the object which the camera are taking a picture of Another example would be the use of two docking stations, one on each temple to provide attachable, detachable hearing aids. And still another example only, would be the use of two docking stations to provide attachable, detachable speakers which could then be adjusted to be positioned in or near each of the wearer's ears. The speakers can be those of earbuds and can be spring loaded retractable and / or extendable.

[0110] The inventive docking means allows for one or two hearing aids to be used by the wearer. In certain embodiments one hearing aid application device module drives two earbuds or speakers (one in each end of the temple). In another embodiment two hearing aid application device modules each drive one earbud or speaker. Thus both are provided for the wearer but each earbud or speaker is driven by one hear aid application device module.

[0111] FIG. 4 illustrates a temple portion of a frame including a docking station in accordance with an aspect of the present invention. FIG. 4 may be understood as illustrating a side view of a left temple portion with a hinge portion 208, with some similar features to that depicted in FIG. 3. As shown in FIG. 4, the temple portion can comprise a docking station 210, a cover 202 for

covering internal electronic components of the temple portion (e.g. the electronics module 224, power source 222 and/or preconfigured connection points as described herein. In the embodiment shown in FIG. 4, an access door 206 for accessing the preconfigured connection points is closed.

[0112] FIG. 5 illustrates the temple portion shown in FIG. 4, with the access door 206 opened. In this view, the access door 206 is opened for accessing the preconfigured connection points 214 such that the universal connector cable may be attached to the electronics module of the eyewear, or such that a properly configured application module may be directly connected to the preconfigured connection points.

[0113] FIG. 6 is a partial cut away view illustrating a temple portion of a frame including a docked application module docked to docking station 210 in accordance with an aspect of the present invention. As shown in FIG. 6, an application module may be docked to docking station 210, and connected to connector 225 with cover 202 at least partially opened. The internal electronics module 224, power source 222 are also shown. In the embodiment shown in FIG. 6, the temple portion 200 also includes retractable earbud speaker 229 with a spring loaded connector 227 and audio path 228.

[0114] FIG. 7 illustrates a right temple portion 201 of a frame including a docking station in accordance with an aspect of the present invention. FIG. 7 may be understood as illustrating a side view of an opposite temple portion from that shown in FIG. 4, with a hinge portion 209. As shown in FIG. 7, the right temple portion can comprise a docking station 211, a cover 203 for covering internal electronic components of the right temple portion (e.g. the electronics module 234, power source 232 and/or preconfigured connection points as described herein. In the embodiment shown in FIG. 7, an access door 207 for accessing the preconfigured connection points is closed.

[0115] FIG. 8 is a partial cut away view illustrating a temple portion of a frame including a docked application module docked to docking station 211 in accordance with an aspect of the present invention. As shown in FIG. 8, an application module may be docked to docking station 211, and connected to connector 235 with cover 207 at least partially opened. The internal electronics module 234, power source 232 are also shown. In the embodiment shown in FIG. 8, the temple portion 201 also includes retractable earbud speaker 239 with a spring loaded connector 237 and audio path 238.

[0116] It should be noted that the temple portions illustrated in FIGS. 4-8 may be configured to partially or fully receive the application module, or to mount the application module without receiving any portion of the application module. In embodiments, where the application module is fully received in the temple portion, it may be covered by a slidable cover such as 202.

[0117] As described above, the electronic module of the frame such as 224, 234, can include various electronics components. The electronic module 224, 234 can be positioned near the front temple of the frame. The electronic module 224, 234 can be positioned within the frame (e.g., in an area or cavity of the frame) and can be removable and replaceable. Alternatively, the electronic module 224, 234 can be built into the frame and form a part of the frame. The electronic module 224, 234 can be located on an outer portion of a temple of the frame (further from a wearer) or can be located on an inner portion of the temple of the frame (closer to the wearer). The electronic module can be positioned on a left temple or a right temple of the frame (i.e., on either side of the frame). The electronic module 224, 234, when inserted into the temple of the frame, can be flush with the other portions of the frame. All or a portion of the electronic components used to operate electro-active lenses or other eyewear functional members can be contained within the electronic module.

[0118] In some embodiments of the present technology, a first electrical connection (e.g., comprising one or more conductive links or wires) can be used to provide connectivity between one or more power sources of spectacles and one or more electronic modules and a second electrical connection (e.g., comprising one or more conductive links or wires) can be used to provide connectivity between one or more electronic modules and one or more electro-active lenses (e.g., electro-active lenses). For example, a battery positioned within the frame can be coupled to an electronic module also positioned within the frame using a first conductive link. A second, distinct conductive link (e.g., electrically isolated from the first conductive link) can be used to couple the electronic module to the electro-active lenses.

[0119] FIG. 9 illustrates a right temple portion 501 of a frame including a track docking station 511 in accordance with an aspect of the present invention. FIG. 9 may be understood as illustrating a side view of a temple portion, with a hinge portion 509. As shown in FIG. 9, the right temple portion can comprise a track docking station 511, with a release mechanism 505 for releasing a docked application module (not shown) and/or adjusting a cover over the track. In the embodiment

shown in FIG. 9, the preconfigured connection points may be included inside the mounting track and a plurality of application modules may be mounted to and/or adjusted along the track. All or part of the track may be covered by a moveable cover via actuation of the release mechanism 505.

[0120] FIG. 10 illustrates a left temple portion 500 of a frame including a track docking station 510 in accordance with an aspect of the present invention. FIG. 10 may be understood as illustrating a side view of a temple portion, with a hinge portion 508. As shown in FIG. 10, the left temple portion can comprise a track docking station 510, with a release mechanism 504 for releasing a docked application module (not shown). In the embodiment shown in FIG. 10, the preconfigured connection points may be included inside the mounting track 502 and a plurality of application modules may be mounted to and/or adjusted along the track.

[0121] FIG. 11 illustrates a right temple portion 601 of a frame including a docking station in accordance with an aspect of the present invention. FIG. 11 may be understood as illustrating a side view of a right temple portion, with a hinge portion 609. As shown in FIG. 11, the right temple portion can comprise a docked application module 636, electronics module 634, power source 632 and/or preconfigured connection points as described herein. In the embodiment shown in FIG. 11, supplemental power source 639, which may be removable, is also included at an end of the temple portion and connected to the eyewear electronics via conductor 638. In embodiments, the supplemental power source 639 may be, instead a memory, or other supplemental device.

[0122] FIG. 12 illustrates a left temple portion of a frame including a docked camera 826. Camera 826 may be configured for capturing still images or video, or may simply provide an optical path, e.g. fiber optics, for camera circuitry included in the frame. Camera 826 may include a microphone as well for audio recording. As shown in FIG. 12, the temple portion can comprise a docked camera 826, electronics module 824, power source 822 and/or preconfigured connection points as described herein. It should be appreciated that a similar right temple portion may also be provided for stereoscope imaging.

[0123] FIG. 13 is a top-down view of an exemplary frame including earbuds and a single docked application module connected to connection points of the frame in accordance with an aspect of the present invention. As shown in FIG. 13, an eyewear system may be provided including an eyewear frame including lens holder 241, and left and right temple portions. Right temple portion include a docking station 211, and a docked application module 240, adapted to be mounted to the

docking station. In this embodiment, the right temple portions includes an electronic connector 235, including a first set of preconfigured application connection points and associated conductive paths, configured to connect application connection points of the module to the eyewear, or more specifically to application connection points of electronics 234 included in the eyewear temple portion. In this embodiment, a connector 242 is also included for simultaneous control of left temple functional members by the application module 240, e.g. electronics 224, or speaker 229 via audio connection 228, while controlling right temple functions via electronics 234, speaker 239 via audio connection 238. Application module 240 may be powered by either or both of power sources 222, 232.

[0124] As further shown in FIG. 13, the frame can include conductive leads 228 and 238 and conductive link 242. Conductive link 242 can provide electrical connectivity from one side of the frame to the other side of the frame. The conductive link 242 can be embedded or positioned within the frame. The conductive link 242 can include any number of conductive elements (e.g., wires) that can be insulated or not insulated. If the frame uses driver electronics on each side of the frame (e.g., a master and slave driver electronics or electronic modules) then as few as only one single wire can comprise the conductive link). If the frame has driver electronics on only one side of the frame, then at least two wires or conductive elements can be used. The conductive link can be positioned inside the frame in accordance with any suitable methods for embedding conductive links including, but not limited to, (1) embedding during a mold casting process; (2) embedding during an assembly process of the front frame portion of the frames; and (3) embedding after assembly of the frames by providing a groove or route for the conductive link. The conductive link can also use or can alternatively comprise the conductive layers of the lenses of the present technology that can be positioned into the frames.

[0125] The docking station can comprise a wireless communication component, such as a Bluetooth chip or circuit, such to enable wireless communication between the docked application device module (application module) and a remotely located device, such as by way of example only, cell phone, smart phone, computer, automobile, iPad, tablet, watch, television, security system, radio. The application module which is docked within the docking station can comprise a wireless chip or circuit such to enable wireless communication between the docked application device module (application module) and a remotely located device, such as by way of example only, cell phone, smart phone, computer, automobile, iPad, tablet, watch, television, security

system, radio. When the application device (application module) comprises the wireless chip or circuit it is not necessary that the docking station comprise such a chip or circuit. Various wireless means are well known and understood in the communication art. Bluetooth 4.0 is low power with a communication range of 30 feet or less. In the invention, Bluetooth 4.0 has been shown to be highly effective allowing either wireless communication from the docking station to a remote Bluetooth enabled device or from the application device module to a Bluetooth enabled device. While the invention disclosure teaches Bluetooth 4.0 it should be understood that this invention disclosure anticipates new evolving Bluetooth versions that will come in the future and is not intended to be limited to Bluetooth 4.0 or for that matter Bluetooth. Any and all wireless communication protocol (including by way of example only, RFID) is meant to be included within the scope of the patent application and can be included within the application device module (which can be docked within the docking station), within the docking station, (one of the other or both).

[0126] In one embodiment of the invention the wearer of the wireless enabled eyewear comprising either the wireless chip or circuit being comprised within the docking station or the application device module docked in the docking station walks into (by way of example only, his or her home after being at work all day) and the remote wireless enabled devices located within his or her home communicate and recognize the presence of the wearer. Upon such recognition the remote wireless enabled devices located with the home can do one or more of the following: adjust the light, temperature, audio devices, video devices to that of the wearer's predetermined desires upon the entry of the wearer into his or her home. In another embodiment of the invention the wearer of the wireless enabled eyewear enters his or her automobile and the remote wireless enabled devices located within the automobile can (by way of example only) do one or more of the following: adjust the seat, radio, temperature, limit maximum speed, awake wearer should wearer fall asleep. In another embodiment of the invention the wearer of the wireless enabled eyewear enters his or her password, turns on his or her computer and the remote wireless enabled devices located within the computer can (by way of example only) do one or more of the following: adjust the brightness, volume, font size, access email. In still another embodiment of the invention one application device module docked within the docking station comprising a wireless chip or circuit communicates wirelessly with another application device module comprising a wireless chip or circuit such that a function of the eyewear can be wirelessly enabled. By way of example only, one hearing aid

located on the right temple of the eyewear communicated with a hearing aid located on the left temple of the eyewear.

[0127] For clarity it is important to point out that the invention disclosed herein allows for the application module to not only communicate wirelessly with a remote wireless enabled device, but also at the same time provide the desired functionality for the wearer by way of the application device module which is docked within the docking station. By way of example only, an application module being that of a wireless enabled personal assistant module docked within the docking station of the inventive eyewear (upon a verbal question raised orally by the wearer of the inventive eyewear about the weather) by way of a miniature microphone, voice recognition chip contained within the personal assistant device module and also a wireless chip or circuit also contained within the personal assistant device module could communicate to the wearer's wireless enabled computer or smart phone to address any number of questions of the wearer. By way of example only, to look up the weather on the internet wirelessly and then answer the question about the weather through the speakers or ear buds located within the inventive eyewear. In this case certain of electrical power and audio are provided by the inventive eyewear located within the electronic module or somewhere else in the inventive eyewear, while the application device module being that of a personal assistant provides for its specialized functionality,

[0128] In certain other cases / embodiments all functionality (including electrical power, audio, voice recognition, Bluetooth capability) is provided by the application device module. Needless to say the diversity of various question such a personal assistant can address are almost limitless. In addition, the wireless enabled personal assistant device module docked within the docking station of the inventive eyewear can be used to provide direction by the wearer of the eyeglasses such that the wearer provides an oral command and the wireless enabled personal assistant communicates wirelessly to a remote wireless enabled device to perform a function; such as by way of example only; change a TV station, radio station, increase the temperature of a room, turn on the car, turn up or down a light, alter the tint of the inventive eyewear, alter the focus of the inventive eyewear. Finally, the invention (in certain embodiments) further contemplates that the wireless enabled personal assistant device module may require the wearer to orally enter a security code of some kind before the personal assistant device module will function properly for certain tasks or for all tasks.

[0129] Figure 14 provides a high level illustrative rendering of a Bluetooth enabled application device module 1010 docked within the inventive eyewear docking station 1020 communicating wirelessly with a remote Bluetooth enabled device 1030 hereby the Bluetooth enabled application device module 1010 communicates to a remote Bluetooth enabled device 1030 and whereby the remote Bluetooth enabled device 1030 communicates back to the Bluetooth enabled application device module 1010. In addition, it shows that the docking station 1020 provides one or more of audio 1023, video 1024, data 1022, memory 1025, electrical power 1021 to the application device module 1010 that is docked in the docking station 1020. Figure 14 provides a high level illustrative rendering of a Bluetooth enabled application device module docked within the inventive eyewear docking station communicating wirelessly with a remote Bluetooth enabled device whereby the Bluetooth enabled application device module communicates to a remote Bluetooth enabled device giving directing it to do something. In addition, it shows that the docking station provides one or more of audio, video, data, memory, electrical power to-the application device module that is docked in the docking station.

[0130] FIG. 15 illustrates additional details regarding an exemplary acoustic processor that may be included in embodiments of the invention. In FIG. 15, Block 902 represents sensors including an acoustic wave sensor. One or more acoustic wave sensors are attached to or embedded in the several locations of the frame, left and right temples in order to collect acoustic signals from different directions. The sensor(s) can converts the acoustic signal from environment into a digital or analogue data signal which can be processed by an electronic processing unit 903. Multiple acoustic sensors can collect more environment sound information from different distances and directions, and allow the electronic processing unit to improve the quality of the sound heard by user. These sensors can be placed in different locations in the front of the eyeglass frame near the temples and nose-bridge.

[0131] The said digital or analogue data signals may be sent to the electronic processing unit 903 through conductive wires which can be attached to or embedded in the frame and/or temple. The conductive wires can also be the parts of the frame and/or temples. These wires can provide drive signals to the speakers or earbuds or to the lenses. Signals can be separated by high pass filters, low pass filters, or a combination thereof.

[0132] A power source as described herein may also be included for providing power to the electronic processing unit 903.

[0133] One or two earphones 904 can be attached or embedded to the one or both eyeglass temples. The electronic processing unit will process the said digital or analogue signals and generate filtered, amplified analog signals which will be sent to earphone(s) 904. Two earphones can provide stereo sound to user.

[0134] The conductive wire(s) can be shared by multiple electronic signals, such as lens drive signals, the digital or analogue signal from the sensors, and output signals from the electronic processing unit to the earphones, after those signals will coded or modulated in space or frequency domain. Said signals may be separated by various filter means to make sure acoustic signals do not affect the electro-active lenses and that drive signals to the electro-active lenses do not affect the earphones.

[0135] The electronic processing unit 903 and power source can be enclosed in one or two application modules as described herein. The electronic processing unit 903 enclosed in the application module, or electronics module of the frame, can be programmed in order to adjust the sound quality and meet the different demands from different customers.

[0136] The inventive eyewear can also, by way of example only, comprise one or more of a vibrating means, energy or power source, microphone, speaker, sensor, docking station, memory download mean, memory up load means, memory storage means, microprocessor, light or lights.

[0137] The eyewear can comprise a power source which can be, by way of example, one of a rechargeable battery, disposable battery, fuel cell, solar cell, kinetic energy source. The eyewear can comprise an electronic module which is integrated into the eyewear or temple such that the electronic module can comprise one or more of memory storage, electrical power, sensor, microprocessor. The electronic module can be connected to the universal cable which is illustrated in the attached.

[0138] The term application module as used herein to be any device when added to the inventive eyewear that provides one of an improvement, pleasure, or a benefit to or for a wearer of the eyewear.

[0139] The securing means of the inventive eyewear can be that of a strap, a temple, or temples that secure the eyewear to the head of the wearer. The inventive eyewear can be, by way of example only, one of goggles, dress eyeglasses, occupational eyeglasses, shooting eyeglasses, safety eyeglasses, sunglasses. The eyeglasses can comprise any prescription optical power lens including a plano optical power. The lenses can be of today's conventional static focus optics or newer optics having the ability to dynamically change focus such as by way of example only, electronic, fluid, mechanical, membrane or of a conventional static focus (meaning after fabrication the lens cannot alter its optical power). The sunglasses can be those of any tint such as, by way of example only, photochromic, electro-chromic and solid fixed tints.

[0140] The inventive docking system disclosed herein, (of the inventive eyewear also disclosed herein), can be integral with said eyewear, attached to said eyewear, partially or fully housed within said eyewear. The docking station can be located to the inside back of the frame or eyewear front, the outside of one of the temples or the inside of one of the temples. The docking station acts to secure a plurality of different application devices (one at a time or more than one at a time) to the eyewear and in some, but not all, cases provides one or more of electrical power, additional electrical power, memory down load capability, and memory upload capability. The eyewear's docking station provides the ability for one, two, three or more application devices to be docked simultaneously so as to provide the wearer with an optimal and most efficient hands free experience while wearing his or her inventive eyewear. The docking station is located such that when an application device module (which comprises a docking means) is docked a universal cable comprising audio, video, power and a microphone (mic) can be easily attached or connected to the application device module. The universal cable may be housed within the temple and attached directly or indirectly to one or more of a memory storage means, power means, sensor and microprocessor.

[0141] It should also be understood in certain embodiments the inventive docking station only comprises a means for physically securing application devices to the eye wear and enabling the routing of electrical power and information signals between said devices. In certain embodiments the docking station itself does not comprise any printed circuit boards that possess analog or digital circuitry. In other embodiments the inventive docking station comprises printed circuit boards possessing analog or digital circuitry. In still other embodiments of the invention the docking station is capable of docking a plurality of different application devices (either one at a time or

simultaneously), whereby each application device comprises its own circuitry and logic such to control one of memory, power, an audio speaker, audio playback, or video playback, which is contained within the eyeglass frame. Certain of the illustrations which are incorporated are meant to show (but not labeled as such) this memory, power means, data, audio, video being incorporated within the electronic module housed within the temple. However, any one, a combination thereof or all of these features can be located anywhere within the eyewear or frame.

[0142] In some embodiments of the present technology, a water repellent material can be used to inhibit moisture and liquids from filling spaces between components of electro-active eyewear such as rimlock components. Electrically-insulating greases, such Dow Corning ® 111 valve lubricant and sealant, can be useful in this regard. Electrically-insulating grease can be applied while the frame is being assembled. A syringe equipped with a soft plastic tip can be used for application.

[0143] According to an aspect of the present technology, one or more conductive wires can be embedded in the upper rim members, the bridge and/or the lower rim members of electro-active spectacles and frames of the present technology during a mold casting process. That is, when the upper rim members, the bridge and/or the lower rim members are formed using a casting process, one or more conductive wires can be cast over when the upper rim members, the bridge and/or the lower rim members are prepared. Generally, thicker conductive wires can be used during such a process. Nylon is an example material that can be used to mold over one or more conductive wires to from the upper rim members, the bridge and/or the lower rim members.

[0144] According to an aspect of the present technology, one or more conductive wires can be embedded in the upper rim members, the bridge and/or the lower rim members of electro-active spectacles and frames of the present technology as each frame component is assembled. More specifically, any of the upper rim members, the bridge and/or the lower rim members that will be used to embed one or more conductive wires can be fabricated by two or more individual or separate pieces. For example, the upper rim members can be formed from two substantially symmetrical pieces of substantially the same shape - a front piece and a back piece which individually may appear to be a portion of the upper rim member split in half lengthwise. Prior to assembling the front and back pieces to form a complete upper rim member, one or more wires can be embedded (e.g., in a groove formed by mold or machined into the front and/or back pieces)

between the front and back pieces (i.e., at the interface between the front and back pieces). The front and back pieces used to form the complete upper rim member can subsequently be combined, for example, using an adhesive.

[0145] According to an aspect of the present technology, one or more conductive wires can be embedded in the upper rim members, the bridge and/or the lower rim members of electro-active spectacles and frames of the present technology after the frame is assembled. Specifically, one or more grooves can be machined into the upper rim members, the bridge and/or the lower rim members that can be used to contain one or more conductive wires. The machined grooves can then be filled or covered with material to cosmetically hide the conductive wires. The assembled frame can then be polished to hide or mask the area in which the wires are embedded. Acetate is an example material that can be manipulated in this fashion to embed one or more conductive wires.

[0146] In some embodiments, connections can be made from conductive compressible members. Conductive compressible members can include conductive rubber and metal rubber. Metal rubber is a name for conductive plastic polymers with metal ions, it is a self-assembling nano-composite, and is flexible and durable across a broad range of pressures, temperatures, tensions, exposure to chemicals. It retains its properties upon being returned to a ground state. It can carry data and electrical power.

[0147] In some embodiments, the conductive cable itself can be an insulating element.

[0148] While various embodiments of the present technology have been described above, it should be understood that they have been presented by way of example and not limitation. Any conductive element described above (e.g., the upper or lower portions of the frame) can be entirely conductive (and possibly coated with non-conductive material) or can contain an embedded or buried conductive element (e.g., a conductive core) and a non-conductive outer or surrounding layer. Further, any conductive link - e.g., described or referred to as an electrical wire or connection - could alternatively, or in addition thereto, be or include an optical conductive link as will be apparent to one skilled in the pertinent art. The exemplary techniques for coupling or connecting the electrical elements of the electro-active spectacles of the present technology (e.g., the controlling electronics and power supplies and electro-active lenses) using embedded conductive

links can be used to embed one or more conductive optical links (e.g., one or more optical fibers) as will be apparent to one skilled in the pertinent art.

[0149] These applications can be that of, by way of example only, by way of example only, electronic focusing eyeglasses, electro-active eyeglasses, fluid lenses being activated by way of an electronic actuator, mechanical or membrane lenses being activated by way of electronics, electro-chromic lenses, electronic fast tint changing liquid crystal lenses, lenses whose tint can be altered electronically, lenses that by way of an electrical charge can resist or reduce the attraction of dust particles, lenses or eyeglass frames housing or having an electronic display affixed thereto, electronic eyewear providing virtual reality, electronic eyewear providing 3-D capabilities, electronic eyewear providing gaming, and electronic eyewear providing augmented reality.

[0150] Although many embodiments were described above as comprising different features and/or combination of features, a person of ordinary skill in the art after reading this disclosure may understand that in some instances, one or more of these components could be combined with any of the components or features described above. That is, one or more features from any embodiment can be combined with one or more features of any other embodiment without departing from the scope of the invention.

[0151] As noted previously, all measurements, dimensions, and materials provided herein within the specification or within the figures are by way of example only.

[0152] A recitation of "a," "an," or "the" is intended to mean "one or more" unless specifically indicated to the contrary.

[0153] As used herein, reference to a "first" or a "second" does not limit the referenced component to a particular location unless expressly stated. For instance, reference to a "first temple" may comprise the temple located on either the left side or the right side of a wearer's head.

[0154] All publications mentioned herein are incorporated herein by reference to disclose and describe the methods and/or materials in connection with which the publications are cited. The publications discussed herein are provided solely for their disclosure prior to the filing date of the present application. Nothing herein is to be construed as an admission that the present invention is not entitled to antedate such publication by virtue of prior invention. Further, the dates of

publication provided may be different from the actual publication dates, which may need to be independently confirmed.

CLAIMS

1. Eyewear comprising:
 - an eyewear frame having a first temple and a second temple;
 - a speaker coupled to the eyewear frame; and
 - an application module mechanically coupled to the eyewear frame and operably coupled to the speaker, the application module comprising:
 - a microphone to receive a verbal query from a wearer of the eyewear; and
 - a Bluetooth chip, operably coupled to the microphone and the speaker, to connect to a Bluetooth-enabled external device, to transmit the verbal query to the Bluetooth-enabled external device, to receive a response to the verbal query from the Bluetooth-enabled external device, and to provide the response to the wearer via the speaker,wherein the verbal query causes the Bluetooth-enabled external device to obtain the response to the verbal query via the Internet.
2. The eyewear of claim 1, wherein, in response to recognizing the presence of the wearer, the Bluetooth-enabled external device is configured to control an external audio device based at least in part on an instruction from the wearer.
3. The eyewear of claim 1, wherein, in response to recognizing the presence of the wearer, the Bluetooth-enabled external device is configured to control an external video device based at least in part on an instruction from the wearer.
4. The eyewear of claim 1, wherein, in response to recognizing the presence of the wearer, the Bluetooth-enabled external device is configured to control light and/or temperature in an environment of the wearer based at least in part on preferences of the wearer.
5. A method comprising:
 - receiving, by a microphone mechanically coupled to an eyewear frame, a verbal query from a person wearing the eyewear frame;
 - transmitting, by a wireless chip mechanically coupled to the eyewear frame and operably coupled to the microphone, the verbal query to an external device;

receiving, by the wireless chip, a response to the verbal query from the external device;
and

providing the response to the verbal query via a speaker operably coupled to the wireless chip.

6. The method of claim 5, wherein the verbal query is a query about weather and the response to the verbal query includes information about the weather.

7. The method of claim 5, further comprising, in response to the verbal query:
searching the Internet, by the external device, for the response to the verbal query.

8. The method of claim 5, wherein the wireless chip is a Bluetooth wireless chip, and further comprising:

pairing the Bluetooth wireless chip with the external device before transmitting the verbal query to the external device.

9. The method of claim 5, further comprising:

in response to detecting a presence of the person wearing the eyewear frame by the external device, controlling light in an environment of the person wearing the eyewear frame based at least in part on preferences of the person wearing the eyewear frame.

10. The method of claim 5, further comprising:

in response to detecting a presence of the person wearing the eyewear frame by the external device, controlling a temperature of an environment of the person wearing the eyewear frame based at least in part on preferences of the person wearing the eyewear frame.

11. The eyewear of claim 5, wherein the external device is at least one of a cell phone, a smart phone, a computer, an iPad, and/or a tablet.

12. Eyewear comprising:

an eyewear frame having a first temple and a second temple; and

an application module mechanically coupled to the eyewear frame and operably coupled to a speaker, the application module comprising:

a microphone to receive a verbal query from a wearer of the eyewear; and

a processor, operably coupled to the microphone and the speaker, to transmit the verbal query to an external device, receive a response to the verbal query from the external device, and provide the response to the wearer via the speaker.

13. The eyewear of claim 12, wherein the external device is a smart phone.
14. The eyewear of claim 13, wherein the application module further comprises a wireless chip, operably coupled to the processor, to wirelessly transmit the verbal query to the external device.
15. The eyewear of claim 14, wherein the wireless chip is a Bluetooth chip.
16. The eyewear of claim 12, wherein the external device is a computer.
17. The eyewear of claim 12, wherein the verbal query includes a query about the weather.
18. The eyewear of claim 17, wherein a response to the query includes information about the weather.
19. The eyewear of claim 12, wherein, in response to recognizing the presence of the wearer, the wireless enabled device is configured to control an external audio device based at least in part on an instruction from the wearer.
20. The eyewear of claim 12, wherein, in response to recognizing the presence of the wearer, the wireless enabled device is configured to control an external video device based at least in part on an instruction from the wearer.

ABSTRACT

An eyewear system including an eyewear frame and an application module. The eyewear frame including a docking station, and an electronic connector including a first set of preconfigured application connection points. The application module adapted to be mounted to the docking station, and including an electronic device configured to perform a function, and a second set of preconfigured application connection points corresponding to at least some of the first set of preconfigured application connection points. The second set of preconfigured application connection points including at least two different sub-function connections used to support the function of the electronic device.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	EVSO-012US08
		Application Number	
Title of Invention	EYEWEAR DOCKING STATION AND ELECTRONIC MODULE		
The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.			

Secrecy Order 37 CFR 5.2:

☐	Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
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Inventor	3				Remove
Legal Name					
Prefix	Given Name	Middle Name	Family Name	Suffix	
	Mark		Graham		
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service					

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	EVSO-012US08
		Application Number	
Title of Invention	EYEWEAR DOCKING STATION AND ELECTRONIC MODULE		

City	Roanoke	State/Province	VA	Country of Residence	US
------	---------	----------------	----	----------------------	----

Mailing Address of Inventor:

Address 1	6241 Valleypark Drive				
Address 2					
City	Roanoke	State/Province	VA		
Postal Code	24019	Country	US		
Inventor	4				Remove
Legal Name					

Prefix	Given Name	Middle Name	Family Name	Suffix	
	William		Kokonaski		
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service					
City	Gig Harbor	State/Province	WA	Country of Residence	US

Mailing Address of Inventor:

Address 1	1807 44th Street Court, N.W.				
Address 2					
City	Gig Harbor	State/Province	WA		
Postal Code	98335	Country	US		
Inventor	5				Remove
Legal Name					

Prefix	Given Name	Middle Name	Family Name	Suffix	
	Richard		Clompus		
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service					
City	Roanoke	State/Province	VA	Country of Residence	US

Mailing Address of Inventor:

Address 1	8437 Tuttle Avenue				
Address 2	Suite 319				
City	Sarasota	State/Province	FL		
Postal Code	34243	Country	US		

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button.

[Add](#)
Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ An Address is being provided for the correspondence information of this application.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	EVSO-012US08
		Application Number	
Title of Invention	EYEWEAR DOCKING STATION AND ELECTRONIC MODULE		

Customer Number	149890		
Email Address	docketing@smithbaluch.com	Add Email	Remove Email

Application Information:

Title of the Invention	EYEWEAR DOCKING STATION AND ELECTRONIC MODULE		
Attorney Docket Number	EVSO-012US08	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	15	Suggested Figure for Publication (if any)	

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)
☐ Request Not to Publish. I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.			
Please Select One:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	149890		

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	EVSO-012US08
		Application Number	
Title of Invention	EYEWEAR DOCKING STATION AND ELECTRONIC MODULE		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status	Pending	Remove			
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
	Continuation of	15975353	2018-05-09		
Prior Application Status	Patented	Remove			
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15975353	Continuation of	14808239	2015-07-24	10114235	2018-10-30
Prior Application Status	Patented	Remove			
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14808239	Continuation of	13735887	2013-01-07	9122083	2015-09-01
Prior Application Status	Expired	Remove			
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
13735887	Claims benefit of provisional	61640425	2012-04-30		
Prior Application Status	Expired	Remove			
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
13735887	Claims benefit of provisional	61638150	2012-04-25		
Prior Application Status	Expired	Remove			
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
13735887	Claims benefit of provisional	61622092	2012-04-10		
Prior Application Status	Expired	Remove			
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
13735887	Claims benefit of provisional	61583940	2012-01-06		
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.					Add

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	EVS0-012US08
		Application Number	
Title of Invention	EYEWEAR DOCKING STATION AND ELECTRONIC MODULE		

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)ⁱ the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ⁱ (if applicable)

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

☐ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013. NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.
--

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	EVSO-012US08
		Application Number	
Title of Invention	EYEWEAR DOCKING STATION AND ELECTRONIC MODULE		

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☐ A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☐ B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	EVSO-012US08
		Application Number	
Title of Invention	EYEWEAR DOCKING STATION AND ELECTRONIC MODULE		

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant	1	Remove
If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section. Clear		
☒ Assignee	Legal Representative under 35 U.S.C. 117	Joint Inventor
Person to whom the inventor is obligated to assign.		Person who shows sufficient proprietary interest
If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:		
Name of the Deceased or Legally Incapacitated Inventor:		
If the Applicant is an Organization check here. ☒		
Organization Name	e-Vision Smart Optics, Inc.	
Mailing Address Information For Applicant:		
Address 1	8437 Tuttle Avenue	
Address 2	Suite 319	
City	Sarasota	State/Province
Country	US	Postal Code
Phone Number		Fax Number
Email Address		
Additional Applicant Data may be generated within this form by selecting the Add button. Add		

Assignee Information including Non-Applicant Assignee Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	EVSO-012US08
		Application Number	
Title of Invention	EYEWEAR DOCKING STATION AND ELECTRONIC MODULE		

Assignee 1				
Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.				
Remove				
If the Assignee or Non-Applicant Assignee is an Organization check here. ☐				
Prefix	Given Name	Middle Name	Family Name	Suffix
Mailing Address Information For Assignee including Non-Applicant Assignee:				
Address 1				
Address 2				
City		State/Province		
Country ⁱ		Postal Code		
Phone Number		Fax Number		
Email Address				
Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button. Add				

Signature:

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). However, if this Application Data Sheet is submitted with the **INITIAL** filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature	/Christopher Max Colice/		Date (YYYY-MM-DD)	2020-03-15
First Name	Christopher	Last Name	Colice	Registration Number
				65634
Additional Signature may be generated within this form by selecting the Add button. Add				

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	EVSO-012US08
		Application Number	
Title of Invention	EYEWEAR DOCKING STATION AND ELECTRONIC MODULE		

This collection of information is required by 37 CFR 1.76. 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 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet 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.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
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 inspections 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.

Electronic Patent Application Fee Transmittal

Application Number:				
Filing Date:				
Title of Invention:	EYEWEAR DOCKING STATION AND ELECTRONIC MODULE			
First Named Inventor/Applicant Name:	Ronald D. Blum			
Filer:	Christopher M. Colice/Lindsey Lovato			
Attorney Docket Number:	EVSO-012US08			
Filed as Large Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
UTILITY APPLICATION FILING	1011	1	300	300
UTILITY SEARCH FEE	1111	1	660	660
UTILITY EXAMINATION FEE	1311	1	760	760
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1720

Electronic Acknowledgement Receipt

EFS ID:	38868333
Application Number:	16819262
International Application Number:	
Confirmation Number:	6619
Title of Invention:	EYEWEAR DOCKING STATION AND ELECTRONIC MODULE
First Named Inventor/Applicant Name:	Ronald D. Blum
Customer Number:	149890
Filer:	Christopher M. Colice/Lindsey Lovato
Filer Authorized By:	Christopher M. Colice
Attorney Docket Number:	EVSO-012US08
Receipt Date:	16-MAR-2020
Filing Date:	
Time Stamp:	09:56:27
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$ 1720
RAM confirmation Number	E20203F056433789
Deposit Account	
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Oath or Declaration filed	EVSO-012US08_Inventor_Declarations.pdf	681946	no	5
			35b788e5319d1385dfbcadb0aaf5573d4a6f0c76		
Warnings:					
Information:					
2	Drawings-only black and white line drawings	EVSO-012US08_Drawings.pdf	1079606	no	15
			8345289fcc636d4927bf1a9d839dbcdf7fd4296a		
Warnings:					
Information:					
3		EVSO-012US08_Continuation_Application.pdf	314732	yes	39
			06d84db72a4fd3287d48c3e78191b043d5d14065		
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Specification		1	35	
	Claims		36	38	
	Abstract		39	39	
Warnings:					
Information:					
4	Application Data Sheet	EVSO-012US08_USPTO_AIA14_20200315_164647.pdf	1874877	no	10
			fa33915434014c207ee4949e9b179d3abddf8850f		
Warnings:					
Information:					
5	Fee Worksheet (SB06)	fee-info.pdf	35219	no	2
			01bab0b31aa48836a20b9aa02131b214b81b7f93		
- 292 -					

Warnings:	
Information:	
Total Files Size (in bytes):	3986380
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. <u>New Applications Under 35 U.S.C. 111</u> 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. <u>National Stage of an International Application under 35 U.S.C. 371</u> 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. <u>New International Application Filed with the USPTO as a Receiving Office</u> 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.	