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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
61/638,150	04/25/2012	Ronald D. Blum	3373.0700002

115626
Sterne, Kessler, Goldstein & Fox P.L.L.C.
1100 New York Avenue NW
Washington, DC 20005

CONFIRMATION NO. 1080
POA ACCEPTANCE LETTER



Date Mailed: 08/20/2014

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 08/14/2014.

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.

/sleutchit/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

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.

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

☒ Practitioners associated with the Customer Number:

115626

OR

☐ Practitioner(s) named below (If more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

☒ The address associated with Customer Number:

115626

OR

☒ Firm or Individual Name			
Address			
City	State	Zip	
Country			
Telephone	Email		

Assignee Name and Address:

HPO Assets LLC
312 Farmington Ave.
Farmington, CT 06032
US

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/80 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature	<i>Robert D. Pomeroy, Jr.</i>	Date	<i>April 3, 2014</i>
Name	Robert D. Pomeroy, Jr.	Telephone	860-676-8654
Title	C.E.O. - HPO Assets LLC		

This collection of information is required by 37 CFR 1.31, 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.

Electronic Acknowledgement Receipt

EFS ID:	19868542
Application Number:	61638150
International Application Number:	
Confirmation Number:	1080
Title of Invention:	Electronic Eyewear with Docking Station
First Named Inventor/Applicant Name:	Ronald D. Blum
Customer Number:	72162
Filer:	John P. McGroarty/Barbera Dooley
Filer Authorized By:	John P. McGroarty
Attorney Docket Number:	P9933-USP226
Receipt Date:	14-AUG-2014
Filing Date:	25-APR-2012
Time Stamp:	15:58:50
Application Type:	Provisional

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		3373_0700002_373_POA.pdf	3410263 cbf4bc5753c658a1f5f3a101a4af6659a7b50b183	yes	24

	Multipart Description/PDF files in .zip description		
	Document Description	Start	End
	Assignee showing of ownership per 37 CFR 3.73.	1	23
	Power of Attorney	24	24
Warnings:			
Information:			
Total Files Size (in bytes):		3410263	
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.			

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.

STATEMENT UNDER 37 CFR 3.73(b)

Atty. Docket No. 3373.0700002

Applicant/Patent Owner: PixelOptics, Inc.

Application No./Patent No.: 61/638,150 Filed/Issue Date: April 25, 2012

Titled: ELECTRONIC EYEWEAR WITH DOCKING STATION

HPO Assets LLC, a corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest in;
2. ☐ an assignee of less than the entire right, title, and interest in
(The extent (by percentage) of its ownership interest is _____ %); or
3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)

the patent application/patent identified above, by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy therefore is attached.

OR

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: See 1 in Addendum To: PixelOptics, Inc.

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: PixelOptics, Inc. To: HPO Assets LLC

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

John P. McGroarty
Signature

8/14/2014
Date

John P. McGroarty, Reg. No. 41,186
Printed or Typed Name

Attorney for Applicants
Title

This collection of information is required by 37 CFR 3.73(b). 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 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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1892404

Addendum

1. Ronald D. BLUM, Yongping WANG, Mark GRAHAM, William KOKONASKI, Richard CLOMPUS

CONFIRMATORY ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): **Ronald D. BLUM, Yongping WANG, Mark GRAHAM, William KOKONASKI, and Richard CLOMPUS**, hereby confirm the sale and assignment to **PixelOptics, Inc.**, a corporation formed under the laws of Delaware, having an office and place of business at 5241 Valleypark Drive, Roanoke, Virginia 24019 (hereafter referred to as the "Assignee"), of his/her entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), and throughout the world, including the right to sue for past infringement and to collect for all past, present and future damages, as follows,

WHEREAS, pursuant to an employment agreement including an obligation to assign, the undersigned inventor(s) assigned and transferred to Assignee, April 25, 2012, all right, title, and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world, for good and valuable consideration received at that time,

(a) in the invention(s) known as **ELECTRONIC EYEWEAR WITH DOCKING STATION** for which application(s) for patent in the United States of America has a filing date or a 371(c) date of April 25, 2012 (also known as United States Application No. 61/638,150) in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

WHEREAS, a recordable document is needed to demonstrate the assignment of the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof;

NOW, THEREFORE, the undersigned inventor(s) do hereby confirm, pursuant to an employment agreement including an obligation to assign, and for good and valuable

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Appl. No. 61/638,150
Atty. Docket No.

consideration received at the time, that he/she assigned and transferred to Assignee, its representatives, successors, and assigns, his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, in the United States and throughout the world, (a) in the application(s), in any and all applications thereon, and in any and all Letters Patent(s) therefor, and (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent applications or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable; all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventor(s) had this assignment and sale not been made.

The undersigned inventor(s) agree to execute all papers necessary in connection with the applications and Letters Patents as above, and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

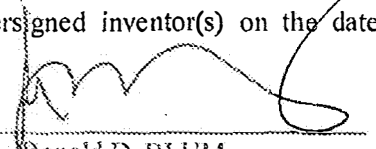
The undersigned inventor(s) agree to perform all affirmative acts at Assignee's request and expense that may be necessary to obtain or ensure a grant of a valid patent to the Assignee.

The undersigned inventor(s) hereby represent that Assignor has full right and authority to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant the patent practitioners associated with **CUSTOMER NUMBER 115626** the power to insert in this assignment any further information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: 8/4/14

Signature of Inventor: 

Ronald D. BLUM

Date: _____

Signature of Inventor: _____

Yongping WANG

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Appl. No. 61/638,150
Atty. Docket No.

Date: _____ Signature of Inventor: _____
Mark GRAHAM

Date: _____ Signature of Inventor: _____
William KOKONASKI

Date: _____ Signature of Inventor: _____
Richard CLOMPUS

1878391_1.DOC

DO NOT FORWARD
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NOT FOR RECORDATION **CONFIRMATORY ASSIGNMENT**

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): **Ronald D. BLUM, Yongping WANG, Mark GRAHAM, William KOKONASKI, and Richard CLOMPUS**, hereby confirm the sale and assignment to **PixelOptics, Inc.**, a corporation formed under the laws of Delaware, having an office and place of business at 5241 Valley Park Drive, Roanoke, Virginia 24019 (hereafter referred to as the "Assignee"), of his/her entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), and throughout the world, including the right to sue for past infringement and to collect for all past, present and future damages, as follows,

WHEREAS, pursuant to an employment agreement including an obligation to assign, the undersigned inventor(s) assigned and transferred to Assignee, April 25, 2012, all right, title, and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world, for good and valuable consideration received at that time,

(a) in the invention(s) known as **ELECTRONIC EYEWEAR WITH DOCKING STATION** for which application(s) for patent in the United States of America has a filing date or a 371(c) date of April 25, 2012 (also known as United States Application No. 61/638,150) in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

WHEREAS, a recordable document is needed to demonstrate the assignment of the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof;

NOW, THEREFORE, the undersigned inventor(s) do hereby confirm, pursuant to an employment agreement including an obligation to assign, and for good and valuable

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consideration received at the time, that he/she assigned and transferred to Assignee, its representatives, successors, and assigns, his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, in the United States and throughout the world, (a) in the application(s), in any and all applications thereon, and in any and all Letters Patent(s) therefor, and (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent applications or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable; all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventor(s) had this assignment and sale not been made.

The undersigned inventor(s) agree to execute all papers necessary in connection with the applications and Letters Patents as above, and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree to perform all affirmative acts at Assignee's request and expense that may be necessary to obtain or ensure a grant of a valid patent to the Assignee.

The undersigned inventor(s) hereby represent that Assignor has full right and authority to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant the patent practitioners associated with CUSTOMER NUMBER 115626 the power to insert in this assignment any further information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: _____ Signature of Inventor: _____
Ronald D. BLUM

Date: 8/16/2016 Signature of Inventor: [Signature]
Yongping WANG

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Date: _____

Signature of Inventor: _____
Mark GRAHAM

Date: _____

Signature of Inventor: _____
William KOKONASKI

Date: _____

Signature of Inventor: _____
Richard CLOMPUS

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Atty. Docket No.

CONFIRMATORY ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): **Ronald D. BLUM, Yongping WANG, Mark GRAHAM, William KOKONASKI, and Richard CLOMPUS**, hereby confirm the sale and assignment to **PixelOptics, Inc.**, a corporation formed under the laws of Delaware, having an office and place of business at 5241 Valleypark Drive, Roanoke, Virginia 24019 (hereafter referred to as the "Assignee"), of his/her entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), and throughout the world, including the right to sue for past infringement and to collect for all past, present and future damages, as follows,

WHEREAS, pursuant to an employment agreement including an obligation to assign, the undersigned inventor(s) assigned and transferred to Assignee, April 25, 2012, all right, title, and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world, for good and valuable consideration received at that time,

(a) in the invention(s) known as **ELECTRONIC EYEWEAR WITH DOCKING STATION** for which application(s) for patent in the United States of America has a filing date or a 371(c) date of April 25, 2012 (also known as United States Application No. 61/638,150) in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

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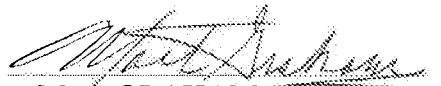
IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: _____ Signature of Inventor: _____
Ronald D. BLUM

Date: _____ Signature of Inventor: _____
Yongping WANG

DO NOT FORWARD
TO ASSIGNMENT BRANCH
NOT FOR REGISTRATION

Signature of Inventor: _____


Mark GRAHAM

Date: _____

Signature of Inventor: _____

William KOKONASKI

Date: _____

Signature of Inventor: _____

Richard CLOMPUS

1878391_1.DOC

CONFIRMATORY ASSIGNMENT

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WHEREAS, pursuant to an employment agreement including an obligation to assign, the undersigned inventor(s) assigned and transferred to Assignee, April 25, 2012, all right, title, and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world, for good and valuable consideration received at that time,

(a) in the invention(s) known as **ELECTRONIC EYEWEAR WITH DOCKING STATION** for which application(s) for patent in the United States of America has a filing date or a 371(c) date of April 25, 2012 (also known as United States Application No. 61/638,150) in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

WHEREAS, a recordable document is needed to demonstrate the assignment of the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof;

NOW, THEREFORE, the undersigned inventor(s) do hereby confirm, pursuant to an employment agreement including an obligation to assign, and for good and valuable

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Appl. No. 61/638,150
Atty. Docket No.

consideration received at the time, that he/she assigned and transferred to Assignee, its representatives, successors, and assigns, his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, in the United States and throughout the world, (a) in the application(s), in any and all applications thereon, and in any and all Letters Patent(s) therefor, and (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent applications or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable; all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventor(s) had this assignment and sale not been made.

The undersigned inventor(s) agree to execute all papers necessary in connection with the applications and Letters Patents as above, and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree to perform all affirmative acts at Assignee's request and expense that may be necessary to obtain or ensure a grant of a valid patent to the Assignee.

The undersigned inventor(s) hereby represent that Assignor has full right and authority to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant the patent practitioners associated with **CUSTOMER NUMBER 115626** the power to insert in this assignment any further information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: _____ Signature of Inventor: _____
Ronald D. BLUM

Date: _____ Signature of Inventor: _____
Yongping WANG

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Appl. No. 61/638,150
Atty. Docket No.

Date: _____

Signature of Inventor: _____

Mark GRAHAM

Date: 8-6-14

Signature of Inventor: _____

William KOKONASKI

Date: _____

Signature of Inventor: _____

Richard CLOMPUS

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CONFIRMATORY ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): **Ronald D. BLUM, Yongping WANG, Mark GRAHAM, William KOKONASKI, and Richard CLOMPUS**, hereby confirm the sale and assignment to **PixelOptics, Inc.**, a corporation formed under the laws of Delaware, having an office and place of business at 5241 Valleypark Drive, Roanoke, Virginia 24019 (hereafter referred to as the "Assignee"), of his/her entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), and throughout the world, including the right to sue for past infringement and to collect for all past, present and future damages, as follows,

WHEREAS, pursuant to an employment agreement including an obligation to assign, the undersigned inventor(s) assigned and transferred to Assignee, April 25, 2012, all right, title, and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world, for good and valuable consideration received at that time,

(a) in the invention(s) known as **ELECTRONIC EYEWEAR WITH DOCKING STATION** for which application(s) for patent in the United States of America has a filing date or a 371(c) date of April 25, 2012 (also known as United States Application No. 61/638,150) in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

WHEREAS, a recordable document is needed to demonstrate the assignment of the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof;

NOW, THEREFORE, the undersigned inventor(s) do hereby confirm, pursuant to an employment agreement including an obligation to assign, and for good and valuable

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Appl. No. 61/638,150
Atty. Docket No.

consideration received at the time, that he/she assigned and transferred to Assignee, its representatives, successors, and assigns, his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, in the United States and throughout the world, (a) in the application(s), in any and all applications thereon, and in any and all Letters Patent(s) therefor, and (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent applications or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable; all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the undersigned inventor(s) had this assignment and sale not been made.

The undersigned inventor(s) agree to execute all papers necessary in connection with the applications and Letters Patents as above, and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree to perform all affirmative acts at Assignee's request and expense that may be necessary to obtain or ensure a grant of a valid patent to the Assignee.

The undersigned inventor(s) hereby represent that Assignor has full right and authority to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant the patent practitioners associated with **CUSTOMER NUMBER 115626** the power to insert in this assignment any further information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: _____ Signature of Inventor: _____
Ronald D. BLUM

Date: _____ Signature of Inventor: _____
Yongping WANG

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Appl. No. 61/638,150
Atty. Docket No.

Date: _____

Signature of Inventor: _____
Mark GRAHAM

Date: _____

Signature of Inventor: _____
William KOKONASKI

Date: 2/4/14

Signature of Inventor: 
Richard CLOMPUS

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PATENT AND INTELLECTUAL PROPERTY RIGHTS ASSIGNMENT

THIS PATENT AND INTELLECTUAL PROPERTY ASSIGNMENT is effective as of July 31, 2014.

WHEREAS, the bankruptcy estate (the “**Estate**”) of PEXELOPTICS, INC., a Delaware corporation (the “**Debtor**”), is the owner of the patents and patent applications listed on Schedule A hereto (the “**Patents**”) and those Intellectual Property Rights¹ defined in the Agreement (further defined below) including those listed on Schedule A;

WHEREAS, JEOFFREY L. BURTCHE, as chapter 7 trustee (the “**Trustee**” or the “**Assignor**”) for the Estate of the Debtor, has agreed to transfer the Intellectual Property Rights as set forth in the Asset Purchase Agreement dated as of December 13, 2013 (the “**Agreement**”), including the Estate’s rights in and to the Patents as set forth in the Agreement to HORIZON TECHNOLOGY FINANCE CORPORATION, a Delaware corporation located at 312 Farmington Avenue, Farmington, CT 06032 or its designee, HPO ASSETS LLC (the “**Assignee**”), and Assignee has agreed to accept such assignment, on the terms and conditions set forth in the Agreement;

WHEREAS, the Debtor is presently the debtor in a pending chapter 7 bankruptcy case filed pursuant to Title 11 of the United States Code, 11 U.S.C. § 101, et seq. (the “**Bankruptcy Code**”) in the United States Bankruptcy Court for the District of Delaware (the “**Bankruptcy Court**”), case number 13-12875 (the “**Bankruptcy Case**”).

WHEREAS, the Trustee has been appointed as the chapter 7 trustee for the Estate of the Debtor. Pursuant to sections 541 and 704 of the Bankruptcy Code, upon the commencement of the Bankruptcy Case, all property of the Debtor became assets of the Estate, under the control of the Trustee.

WHEREAS, pursuant to the Trustee’s Motion for Entry of (I) an Order (A) Approving Bidding Procedures in Connection With Sale of Substantially all of the Estate’s Assets, (B) Scheduling an Auction and Hearing to Consider the Proposed Sale and Approving the Form and Manner of Notice Thereof; and (II) an Order (A) Approving the Sale, (B) Authorizing the Assumption and Assignment of Executory Contracts and Unexpired Leases, and (C) Granting Certain Related Relief, dated December 13, 2013 (Docket No. 37), the Trustee sought approval from the Bankruptcy Court to sell substantially all of Estate’s assets to, and enter into the Agreement with, the Assignee.

WHEREAS, after a hearing on December 19, 2013, the Bankruptcy Court entered an order (Docket No. 57) authorizing the Trustee and the Assignee to enter into the Agreement and take other actions related thereto, subject to receipt of higher and better offers.

WHEREAS, after a hearing on January 23, 2014, the Bankruptcy Court approved the sale to Assignee pursuant to the Agreement, except for certain “Contested Patents.”

¹ For purposes of this document, the term Intellectual Property Rights shall refer only to such rights that the Estate still owns, as opposed to such rights previously transferred from the Estate.

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WHEREAS, the parties wish to herein memorialize said assignment, transfer and sale of the Patents to Assignee in a form for recording in the United States Patent and Trademark Office and non-US counterparts thereof in non-US jurisdictions which exercise authority over any of the Intellectual Property Rights including the Patents.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for good and valuable consideration, the receipt and legal sufficiency of which is hereby acknowledged, the Trustee hereby sells, assigns, transfers, and conveys to Assignee, all right, title and interest in and to the Intellectual Property Rights, including the Patents, and any continuations, continuations-in-part, divisions, reissues, reexaminations, extensions, and foreign patents and patent applications thereof, and any rights to file applications claiming the benefit of one or more of the Intellectual Property Rights including the Patents and receive patents that issue from said applications and from said applications and from applications included in the Patents and patent applications and pending inventions of Intellectual Property Rights as yet unprepared or unfiled, together with all claims for past and future damages by reason of infringement of the same, and together with the right to sue for past and future damages;

AND, the Trustee hereby requests the Director of the United States Patent and Trademark Office (the "Director"), as well as his or her non-US counterparts in the non-US jurisdictions which exercise authority over any of the Intellectual Property Rights including the Patents to record this Patent and Intellectual Property Rights Assignment. The Trustee hereby further requests the Director and his or her non-US counterparts to issue any and all patents, trademarks, or other intellectual property resulting from Intellectual Property Rights, inventions, Patents or from applications claiming the benefit of one or more of the Intellectual Property Rights including the Patents to Assignee as assignee of the entire interest therein.

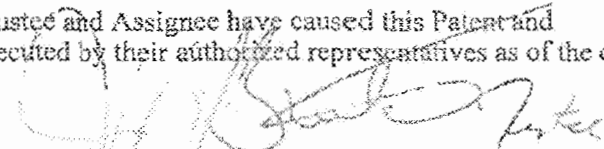
The transfers contemplated by this instrument are pursuant and subject to the terms and conditions of the Agreement and any order of the Bankruptcy Court approving the Agreement, and shall be made on an "as is where is" basis with all faults and specifically and expressly without any warranties, representations, or guarantees, either express or implied, of any kind or nature of or on behalf of the Trustee. This instrument shall not be interpreted to impose any obligations upon the Trustee beyond those contained in the Agreement.

At any time prior to the closing of the Bankruptcy Case, and from time to time at Assignee's request, the Trustee agrees to execute further documents and instruments and to do such other acts as may be reasonably necessary or reasonably requested by Assignee, at Assignee's expense, to more effectively vest full title in and to the Patents in the Assignee. This Assignment shall be binding upon and shall inure to the benefit of the respective successors and permitted assigns of the Trustee, the Assignor and Assignee.

(The signatures of the parties are contained on the following page.)

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IN WITNESS WHEREOF, the Trustee and Assignee have caused this Patent and Intellectual Property Assignment to be executed by their authorized representatives as of the date first set forth above.

By: 

Jeffrey L. Burtch,
solely as chapter 7 trustee of PixelOptics, Inc.

STATE OF DELAWARE, COUNTY OF NEW CASTLE

The foregoing instrument was acknowledged before me this 31st day of JULY, 2014, by Jeffrey L. Burtch, the chapter 7 Trustee of PixelOptics, Inc., a Delaware corporation, on behalf of the bankruptcy estate of said corporation. He/she is personally known to me or produced _____ as identification.



Notary Public

VALERIE FRANCES HINTON

NOTARY PUBLIC

Typed, printed or ~~stamped~~ name of Notary Public

STATE OF DELAWARE
My Commission Expires June 25, 2015

My Commission Expires:

[SIGNATURE PAGE TO PATENT AND INTELLECTUAL PROPERTY RIGHTS ASSIGNMENT]

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HPO ASSETS LLC

By: Horizon Technology Finance Corporation, its sole member

By: _____

Robert D. Pomeroy, Jr.

Name: Robert D. Pomeroy, Jr.

Title: Chief Executive Officer

STATE OF CONNECTICUT, COUNTY OF Hartford

The foregoing instrument was acknowledged before me this 31st day of July, 2014, by Robert D. Pomeroy, Jr., the CEO of Horizon Technology Finance Corporation, sole member of HPO Assets LLC, a Delaware limited liability company, on behalf of said company. He is personally known to me or produced _____ as identification.

[Signature]

Notary Public John C. Bombara

Commissioner of the Superior Court of the State of Connecticut

Typed, printed or stamped name of Notary Public

My Commission Expires

[SIGNATURE PAGE TO PATENT AND INTELLECTUAL PROPERTY RIGHTS ASSIGNMENT]

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Schedule A

Attorney Docket Number	Client Ref. No.	U.S. Application Number	Application Date	U.S. Patent Number or Publication No.	Title
3373.0330005	P-70920 US	12/166,526	7/2/2008	8,317,321	MULTIFOCAL LENS WITH A DIFFRACTIVE OPTICAL POWER REGION
3373.0700004	P9933-USP213	13/735,897	1/7/2013	2013-0215374 A1	EYEWEAR DOCKING STATION AND ELECTRONIC MODULE
3373.0740001		13/848,330	3/21/2013	2014-0204333 A1	ADJUSTABLE ELECTRO-ACTIVE OPTICAL SYSTEM AND USES THEREOF
3373.0750003		13/849,216	3/22/2013	2013-0293825 A1	ELECTROCHROMIC MATERIALS AND/OR OPTICAL SYSTEMS EMPLOYING THE SAME
3373.0760001		13/866,575	4/19/2013	2013-0342807 A1	ELECTRICALLY CONDUCTIVE LENS CONNECTION AND METHODS OF MAKING THE SAME
3373.0020006		13/813,009	6/7/2013	2013-0329183 A1	ADAPTER FOR EYEWEAR
3373.0040005		13/916,480	6/12/2013	2014-0028966 A1	ELECTRONIC EYEGLASSES AND METHODS OF MANUFACTURING
3373.0390008		13/919,740	6/17/2013	2013-0278881 A1	ELECTRO-ACTIVE SPECTACLES AND ASSOCIATED ELECTRONICS
3373.0870001		13/956,650	7/31/2013	2014-0036172 A1	ELECTRO-ACTIVE OPHTHALMIC LENSES COMPRISING LOW VISCOSITY LIQUID CRYSTALLINE MIXTURES
3373.0380003		13/959,501	8/5/2013	2014-0009700 A1	ELECTRO-ACTIVE DIFFRACTIVE LENS AND METHOD FOR MAKING THE SAME
3373.0890001		13/961,624	8/7/2013	2014-0043672 A1	FAIL-SAFE ELECTRO-ACTIVE LENSES AND METHODOLOGY FOR CHOOSING OPTICAL MATERIALS FOR FAIL-SAFE ELECTRO-ACTIVE LENSES
3373.0430002		13/962,628	8/8/2013	2013-0321762 A1	PROGRESSIVE ADDITION LENS DESIGN
3373.0880001		13/963,852	8/9/2013	2014-0043564 A1	DYNAMIC OPHTHALMIC LENS CAPABLE OF CORRECTING NIGHT AND DAY VISION
3373.0450006		14/045,571	10/3/2013	2014-0160426 A1	METHODS OF MAKING LENSES WITH REGRESSIVE AND NON REGRESSIVE ROTATIONALLY SYMMETRIC OPTICAL DESIGN ELEMENTS
3373.0290008		14/107,793	12/16/2013	2014-0104566 A1	ELECTRONIC EYEGLASS FRAME
3373.0350006		14/157,156	1/16/2014	2014-0132916 A1	REFRACTIVE-DIFFRACTIVE MULTIFOCAL LENS
3373.1370002		14/157,170	1/16/2014	2014-0198370 A1	SOLID ELECTRO-CHROMIC STACK INCLUDING ELECTRO-CHROMIC NANOPARTICLES AND METHODS OF FORMING THE SAME USING LAYER-BY-LAYER DEPOSITION
3373.1390002		14/171,285	2/3/2014		ELECTRO-CHROMIC DEVICES INCLUDING SOLID OR QUASI-SOLID ELECTROLYTE LAYERS AND METHODS OF MAKING THE SAME
3373.0510004		14/303,381	6/12/2014		SPECTACLES
3373.0030000		29/457,237	6/7/2013		ADAPTER FOR EYEWEAR
3373.1300000		29/461,088	7/16/2013		ADAPTER FOR EYEWEAR
3373.0030001		29/461,089	7/16/2013		ADAPTER FOR EYEWEAR
	P9933-USP213	61/583,940	1/6/2012		ELECTRONIC EYEWEAR COMPRISING DOCKING MEANS FOR A PLURALITY OF APPLICATION DEVICES
	P9933-USP214	61/587,260	1/17/2012		LOW COST HIGH YIELD BATCHED ELECTRO-ACTIVE LENS BLANK MANUFACTURING
	P9933-USP216	61/593,925	2/2/2012		FILLING AN ELECTRO-ACTIVE LENS OR LENS BLANK WITH ELECTRO-ACTIVE MATERIAL
	P9933-USP217	61/595,720	2/7/2012		LASER PATTERNING OF CONDUCTIVE FILMS FOR ELECTRO-ACTIVE LENSES
	P9933-USP218	61/598,093	2/13/2012		FILLING ELECTRONIC LENS OR ELECTRONIC LENS BLANK WITH ELECTRO-ACTIVE MATERIAL
	P9933-USP219	61/599,195	2/15/2012		FILLING ELECTRONIC LENSES OR ELECTRONIC LENS BLANKS WITH ELECTRO-ACTIVE MATERIAL
	P9933-USP220	61/601,776	2/22/2012		FILLING AN ELECTRONIC LENS OR LENS BLANK WITH ELECTRO-ACTIVE MATERIAL
	P9933-USP221	61/603,415	2/27/2012		METHOD AND DEVICE TO DETERMINE LASER HOLE DRILLING STOP POINT
3373.0740000		61/614,026	3/22/2012		DAY-TIME AND NIGHT-TIME VISION CORRECTION USING PROGRESSIVE LENSES
3373.0750000		61/615,621	3/26/2012		OPHTHALMIC LENS COMPRISING SOLID STATE ELECTRO-CHROMIC COATINGS
	P9933-USP224	61/618,354	3/30/2012		ELECTRONIC LENS OR LENS BLANK FILLED WITH ELECTRO-ACTIVE MATERIAL
3373.0700002	P9933-USP225	61/622,092	4/10/2012		ELECTRONIC EYEWEAR COMPRISING DOCKING MEANS
	P9933-USP226	61/638,150	4/25/2012		ELECTRONIC EYEWEAR WITH DOCKING STATION
3373.0760000		61/638,290	4/25/2012		FLEXIBLE ELECTRICALLY CONDUCTIVE LENS CONNECTION
	P9933-USP228	61/640,425	4/30/2012		DOCKING STATION AFFIXED TO ELECTRONIC EYEWEAR
3373.0770000	P9933-USP230	61/658,211	6/11/2012		HEARING ASSIST-ENABLED ELECTRONIC EYEWEAR
3373.0780000	P9933-USP231	61/659,672	6/14/2012		ENHANCED ELECTRONIC EYEWEAR
3373.0790000	P9933-USP232	61/665,394	6/28/2012		ELECTRONIC EYEGLASS BATTERY PACK AND CHARGER
3373.0800000	P9933-USP233	61/665,404	6/28/2012		LASER POST-PROCESSING OF EDGED ELECTRO-ACTIVE LENSES FOR IMPROVED ELECTRICAL CONNECTIVITY
3373.0720006	P9933-USP234	61/666,402	6/29/2012		LIQUID CRYSTAL FILLING PROCESS FOR ELECTRONIC OPHTHALMIC LENS
3373.0750001		61/668,113	7/5/2012		ELECTRO-CHROMIC LENS BLANK

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Schedule A

Attorney Docket Number	Client Ref. No.	U.S. Application Number	Application Date	U.S. Patent Number or Publication No.	Title
3373.0820000	P9933-USD237	61/673.180	7/11/2012		NEXT GENERATION ELECTRONIC EYEWEAR
3373.0830000	P9933-USD238	61/673.812	7/20/2012		SENSING AND ALARM SYNCHRONIZATION OF MOBILE DEVICE AND ELECTRONIC EYEWEAR
3373.0840000	P9933-USD239	61/674.123	7/20/2012		TEMPLE INSERT ELECTRONIC EYEWEAR CONNECTION
3373.0870000		61/679.260	8/3/2012		ELECTRO-ACTIVE OPHTHALMIC LENSES COMPRISING LOW VISCOSITY LIQUID CRYSTALLINE MIXTURES
3373.0880000	P9933-USD243	61/681.811	8/10/2012		DYNAMIC OPHTHALMIC LENS CAPABLE OF CORRECTING NIGHT AND DAY VISION
3373.0890000	P9933-USD244	61/681.817	8/10/2012		METHODOLOGY FOR CHOOSING OPTICAL MATERIALS FOR FAIL-SAFE ELECTRO-ACTIVE LENSES
3373.0750002	P9933-USD246	61/694.798	8/30/2012		NOVEL NANO-STRUCTURED INORGANIC AND HYBRID ELECTRO-CHROMIC STACKS FOR OPHTHALMIC LENSES
3373.0900000	P9933-USD246	61/696.625	9/4/2012		INTERACTIVE MASTER ADAPTER (MAI) FOR EYEWEAR
3373.0920000	P9933-USD246	61/701.395	8/14/2012		ELECTRONIC RIM LOCK
3373.0930000	P9933-USD249	61/702.579	9/18/2012		EYEWEAR COMPRISING A WIRELESS KEYBOARD
3373.1000000	P9933-USD256	61/721.890	11/2/2012		INTERACTIVITY ADAPTER FOR EYEWEAR
3373.0700003	P9933-USD259	61/728.940	11/21/2012		LOW COST HIGH YIELD BATCHED ELECTRO-ACTIVE LENS BLANK MANUFACTURING
3373.0710002	P9933-USD258	61/733.031	12/4/2012		FLEXIBLE FILM WITH SURFACE MICRO-NANO-RELIEF FOR OPHTHALMIC APPLICATIONS
3373.1020000	P9933-USD260	61/736.334	12/12/2012		ENHANCED INTERACTIVITY ADAPTER FOR EYEWEAR
3373.1030000	P9933-USD261	61/736.814	12/13/2012		ENHANCED INTERACTIVITY ADAPTER FOR EYEWEAR
3373.1370000		61/753.517	1/17/2013		SOLID ELECTRO-CHROMIC STACK APPLIED TO OPHTHALMIC LENS BLANK BY LAYER-BY LAYER METHOD
3373.1390000		61/760.440	2/4/2013		METHODS FOR MAKING ROBUST ELECTRO-CHROMIC FILM STACKS
3373.0750006	9933-USD272	61/846.312	7/15/2013		ALL SOLID-STATE ELECTROCHROMIC DEVICES WITH ION-CONDUCTIVE LAYERS
3373.1350000	9933-USD273	61/858.214	7/25/2013		NANO-STRUCTURED ELECTROCHROMIC FILMS WITH FAST DYNAMIC RESPONSE & HIGH COLORATION EFFICIENCY
3373.1360000	9933-USD274	61/878.281	9/16/2013		FEEDBACK MECHANISM FOR ELECTRONIC FRAMES
3373.1390001	9933-USD275	61/897.874	10/31/2013		OPTICALLY-TRANSPARENT SOLID-STATE AND QUASI-SOLID-STATE ELECTROLYTES
3373.1380002	9933-USD276	61/897.875	10/31/2013		ALL SOLID-STATE ELECTROCHROMATIC DEVICES WITH ION-CONDUCTIVE LAYERS
3373.1400000	P9933-USD264	61/952.390	3/13/2014		ADVANCED ELECTRO-ACTIVE OPTIC
3373.1400001	P9933-USD262	61/952.396	3/13/2014		TRANSPARENT WIRELESS POWER TRANSMISSION FOR DRIVING ELECTRONICALLY ADAPTIVE EYEWEAR
3373.1400002	P9933-USD266	61/952.402	3/13/2014		ASSEMBLY PROCESS FOR MAKING ELECTRO-ACTIVE LENSES



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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
61/638,150	04/25/2012		250	P9933-USP226		

CONFIRMATION NO. 1080

72162
KILPATRICK TOWNSEND & STOCKTON, LLP
Two Embarcadero Center
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San Francisco, CA 94111-3834

FILING RECEIPT



OC000000054028979

Date Mailed: 05/03/2012

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Applicant(s)

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Power of Attorney: None

If Required, Foreign Filing License Granted: 05/01/2012

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 61/638,150**

Projected Publication Date: None, application is not eligible for pre-grant publication

Non-Publication Request: No

Early Publication Request: No

Title

Electronic Eyewear with Docking Station

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Provisional Application for Patent Cover Sheet

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c)

Inventor(s)

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

Add

Title of Invention

Electronic Eyewear with Docking Station

Attorney Docket Number (if applicable)

P9933-USP226

Correspondence Address

Direct all correspondence to (select one):

☒ The address corresponding to Customer Number☐ Firm or Individual Name

Customer Number

72162

The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.

☒ No.

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Entity Status

Applicant claims small entity status under 37 CFR 1.27

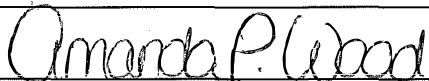
- ☐ Yes, applicant qualifies for small entity status under 37 CFR 1.27
- ☒ No

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Signature				Date (YYYY-MM-DD)	2012-04-25
First Name	Amanda	Last Name	Wood	Registration Number (If appropriate)	

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Electronic Eyewear with Docking Station

4/25/12

Inventors: Ron Blum, Yongping Wang, Mark Graham, Bill Kokonaski, Richard Clompus

Priority Application: This provisional patent application claims priority back to US patent application serial number 11/261,035, filed on October 28, 2005, which claims priority to US provisional patent application 60/669,403, filed on April 8, 2005; US patent application serial number 13/085,562, filed on April 13, 2011, which claims priority to US provisional patent application 61/323,406 filed on April 13, 2010; to US provisional patent application 61/583,940 filed on January 6, 2012, and to US provisional patent application 61/622,092 filed on April 10, 2012, the contents of which are incorporated herein by reference in their entirety.

Background of the Invention:

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 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.

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 world we live in 2011 is a very high paced world 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 of the invention:

The invention disclosed herein is that of an electronic eyewear system to be worn by a wearer, 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 devices (also referred to herein as application device modules or application modules) which each can fit into said docking station and are utilized one or more at a time while said eyewear is being worn by a wearer. 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.

The electronic eyewear system allows for the wearer of the eyewear to utilize any one or a plurality of different application devices once docked in the eyewear docking system such as, by way of example only, one or more of the group of camera, MP3 player, display, projector, hearing aid, fall detector, alertness monitor, pedometer, pulse detector, cell phone, audio system, communication system, video system, music system, CO2 detector, poor air quality alert device, bad breath detector, thermometer, refractive error measurement device, GPS system, virtual reality system, gaming system, eye tracking device, pupil monitor device, sensor, smoke detector, pill reminder, medication reminder, speaker, light, laser, Bluetooth. The term application device 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. It should be pointed out that each of the above applications devices presently exist in one form or another. Those skilled in the art can readily miniaturize and design them for the purposes of being utilized with the invention disclosed herein. The application device can also be referred to as an application device module or an application module.

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 down load mean, memory up load means, memory storage means, microprocessor, light or lights.

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.

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 is housed within the temple and attached directly or indirectly to one or more of a memory storage means, power means, sensor and microprocessor. 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 as shown in illustration 3. However, any one, a combination thereof or all of these features can be located anywhere within the eyewear or frame.

The docking station can comprise 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 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. When the application device (application module) comprises the Bluetooth chip or circuit it is not necessary that the docking station comprise such a chip or circuit. Bluetooth is well known and understood in the wireless 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).

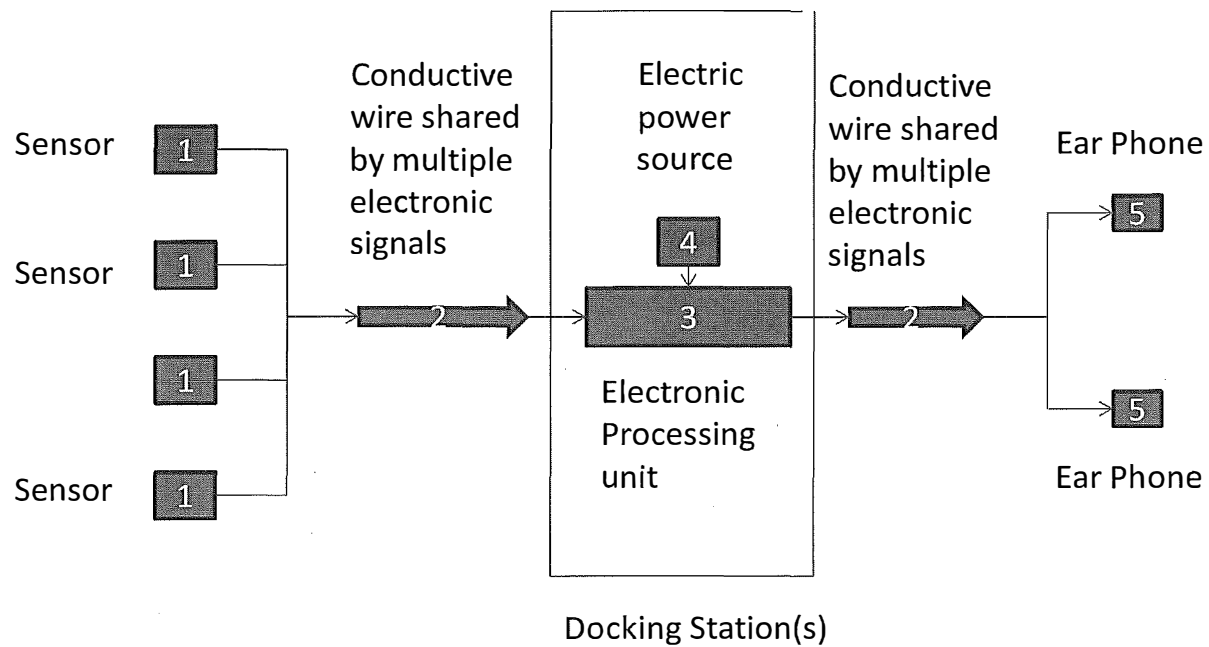
In one embodiment of the invention the wearer of the Bluetooth enabled eyewear comprising either the Bluetooth chip or circuit being comprised within the docking station or the application device module docked in the docking station walks into (by way of example only, his or her home after being at work all day) and the remote Bluetooth enabled devices located within his or her home communicate and recognize the presence of the wearer. Upon such recognition the remote Bluetooth 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 Bluetooth enabled eyewear enters his or her automobile and the remote Bluetooth 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 Bluetooth enabled eyewear enters his or her password, turns on his or her computer and the remote Bluetooth 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 Bluetooth chip or circuit communicates wirelessly with another application device module comprising a blue tooth 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.

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 Bluetooth 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 Bluetooth 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 Bluetooth chip or circuit also contained within the personal assistant device module could communicate to the wearer's Bluetooth 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 thru 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. 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 Bluetooth 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 Bluetooth enabled personal assistant communicates wirelessly to a remote Bluetooth 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 Bluetooth 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. Illustration #22 provides a high level illustrative rendering of the Bluetooth enabled application device docked within the inventive eyewear docking station communicating wirelessly with a remote Bluetooth enabled device. 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.

In addition, in most but not all cases one docking station is provided with the inventive eyewear. But in certain other embodiments two docking stations are provided. In one preferred embodiment of the invention the right 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 located one of; on, partially in or fully embedded within the left temple. In another preferred embodiment of the invention the left 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 located one of; on, partially in or fully embedded within the right temple. In yet another embodiment 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 only, 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 ear-buds and can be spring loaded retractable and / or extendable.

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 ear-buds or speakers (one in each end of the temple). In another embodiment two hearing aid application device modules each drive one ear-bud or speaker thus both are provided for the wearer but each ear-bud or speaker is driven by one hear aid application device module. See illustrations



Block 1 represents an acoustic wave sensor. One or more acoustic wave sensors (1) 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)(1) can convert the said acoustic signal from environment into a digital or analogue data signal which can be processed by an electronic processing unit (3). 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.

Block 2 represents a conductive wire. The said digital or analogue data signals will be sent to the electronic processing unit through the conductive wires (2) which can be attached to or embedded in the frame and/or temple. The conductive wires (2) can also be the parts of the frame and/or temples. These wires can provide drive signals to the speakers or ear buds or to the lenses. Signals can be separated by high pass filters, low pass filters, or a combination thereof.

Block 4 represents a power source which provides drive power for an electronic processing unit. Block 4 can be one or more one-time use batteries, rechargeable batteries, solar batteries, or other means which can generate electric power.

Block 5 represents earphone. One or two earphones (5) 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) (5). Two earphones can provide stereo sound to user.

The conductive wire(s)(2) can be shared by multiple electronic signals, such as lens drive signals, the digital or analogue signal from the sensors(1), and output signals from the electronic processing unit (3) to the earphones (5), 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 singles to the electro-active lenses do not affect the earphones.

The electronic processing unit (3) and power source(4) can be enclosed in one or two docking stations.

The Electronic processing unit (3) enclosed in the docking station can be programmed in order to adjust the sound quality and meet the different demands from different customers.

For clarity the eyewear's docking station is capable of receiving one or more application devices specifically designed to be received by said docking station. In certain cases these application devices 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 devices 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 down load 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.

Further, in most cases each application device 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. For clarity the term "docking means" as used herein is that of the architecture / engineering design which allows for the application device to be attached / connected to the docking station. The "docking station" is the station which receives the docking means of an application device.

The lenses housed within the inventive eyewear can be, by way of example only, capable of dynamic focus, static focus, and tints such, as but not limited to, electrochromic, photochromic, thermochromic and conventional non-changeable tints. The dynamic focus lenses can be by way of example only, electro-active, membrane, fluid, mechanical, electronic, gas lenses.

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.

It should be pointed out the docking means, docking station, universal cable, electronic module, temple configuration, are not shown to be the exclusive embodiment of the invention. On the contrary any means applicable which enable / allow an electronic eyewear system to be worn by a wearer, 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 devices which each can fit into said docking station and are utilized one or more at a time while said eyewear is being worn by a wearer is considered to be within the scope of the invention disclosed herein.

Details of the invention and Illustrations:

In a first embodiment of the invention a docking station is located on the inside front 1/3 of left temple: (See Illustration # 1)

In a second embodiment of the invention a docking station is located partially within the inside front 1/3 of left temple: (See Illustration # 2)

In a third embodiment of the invention a docking station is located on the inside front 1/3 of right temple: (See Illustration # 3)

In a fourth embodiment of the invention a docking station is located partially within the inside front 1/3 of right temple: (See Illustration # 4)

In a fifth embodiment of the invention a docking station is located partially within the inside front 1/3 of the left and right temple: (See Illustration # 5)

In a sixth embodiment of the invention a docking station is located partially within the inside front 1/3 of left temple: (See Illustration # 6)

In a seventh embodiment of the invention the docking station is an electronic track that is located within the majority of the length of the inside of the right temple: (See Illustration # 7)

In an eight embodiment of the invention the docking station is an electronic track that is located within the majority of the length of the inside of the right temple: (See Illustration # 8)

In a ninth embodiment of the invention the end piece of the temple located mostly behind the ear of the wearer comprises a pivotal / rotational, attachable / re-attachable, part that comprises fuel cell: (See illustration #9)

In a tenth embodiment of the invention the end piece of the temple located mostly behind the ear of the wearer comprises a pivotal / rotational, attachable / re-attachable, part that comprises memory storage: (See illustration #10)

In an eleventh embodiment of the invention the end piece of the temple located mostly behind the ear of the wearer comprises a pivotal / rotational, attachable / re-attachable, part that comprises a rechargeable battery and memory storage: (See illustration #11)

In a twelfth embodiment of the invention one camera is docked within the docking station of the left temple: (See illustration #12)

In a thirteenth embodiment of the invention two cameras are docked, one on the right docking station of the right temple and one on the left docking station of the left temple: (See illustration #13)

In a fourteenth embodiment of the invention one MP3 is docked within the docking station of the left temple: (See illustration #14)

In a fifteenth “A” embodiment of the invention two MP3 are docked, one on the right docking station of the right temple and one on the left docking station of the left temple: (See illustration #15A)

In a fifteenth “B” embodiment of the invention one MP3 drives two speakers and is docked in a docking station of the left temple (See illustration #15B)

In a sixteenth embodiment of the invention one hearing aid is docked within the docking station of the left temple: (See illustration #16)

In a seventh “A” embodiment of the invention two hearing aids are docked, one on the right docking station of the right temple and one on the left docking station of the left temple: (See illustration #17A)

In a seventh “B” embodiment of the invention one hearing aid is driving two speakers and is docked in a docking station of the left temple: (See illustration #17 B)

In an eighteenth embodiment of the invention, one example only, of an appropriate docking means (which fits into the eyewear’s docking station) is located on a side of an application device (See illustration #18)

In a nineteenth embodiment of the invention, a view of a sliding door exposing the universal cable is shown. The universal cable can be readily pulled from its housing while still attached / connected the electronic module housed in the temple and then attached / connected to an application device prior to docking. (See illustration #19)

In a twentieth embodiment of the invention, a spring enabled retractable / extendable ear bud is shown in at the end of the left temple (See illustration #20)

In a twenty-first embodiment of the invention, a spring enabled retractable / extendable ear bud is shown in at the end of the right temple (See illustration #21)

What is Claimed

Claim #1) An electronic eyewear system to be worn by a wearer, whereby said electronic eyewear system comprises a means of securing said eyewear to the head of a wearer, an eyewear front, a docketing station which is part of said eyewear, a plurality of application device modules (application devices) 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

Claim #2) The securing means of claim #1, whereby said securing means is an eyewear temple .

Claim #3) The eyewear front of claim #1, whereby said front houses one of a prescription lens, non-prescription lens.

Claim #4) The electronic eyewear of claim #1, whereby said eyewear comprises a memory storage means.

Claim #5) The electronic eyewear of claim #1, whereby said eyewear comprises a download means.

Claim #6) The electronic eyewear of claim #1, whereby said eyewear comprises an upload means.

Claim #7) The electronic eyewear of claim #1, whereby said eyewear comprises a power source.

Claim #8) The electronic eyewear of claim #1, whereby said eyewear comprises a microphone.

Claim #9) The electronic eyewear of claim #1, whereby said eyewear comprises a speaker.

Claim #10) The electronic eyewear of claim #1, whereby said eyewear comprises a vibrating means.

Claim #11) The electronic eyewear of claim #1, whereby said eyewear comprises a microprocessor.

Claim #12) The docking station of claim #1, whereby said docking station comprises electrical conductivity.

Claim #13) The docking station of claim #1, whereby said docking station comprises an electrical track.

Claim #14) The docking station of claim #1, whereby said docking station comprises a data connection.

Claim #15) The docking station of claim #1, whereby said docking station comprises a audio connection.

Claim #16) The docking station of claim #1, whereby said docking station comprises a video connection.

Claim #17) The docking station of claim #1, whereby said docking station is associated with a temple.

Claim #18) The docking station of claim #1, whereby said docking station is associated with the inside of said temple .

Claim #19) The docking station of claim #1, whereby said docking station is associated with the outside of said temple.

Claim #20) The docking station of claim #1, whereby said docking station is associated with the inside of the front of the eyewear.

Claim #21) The docking station of claim #1, whereby said docking station is affixed to the temple.

Claim #22) The docking station of claim #1, whereby said docking station is partially housed within said temple.

Claim #23) The docking station of claim #1, whereby said docking station provides power to one of the plurality of application devices.

Claim #24) The docking station of claim #1, whereby said docking station secures one of the plurality of application devices to said eyewear.

Claim #25) The docking station of claim #1, whereby one application device can be docked within said docking station.

Claim #26) The docking station of claim #1, whereby two application devices can be docked at the same time within said docking station.

Claim #27) The docking station of claim #1, whereby three application devices can be docked at the same time within said docking station.

Claim #28) The docking station of claim #1, whereby the eyewear comprises two docking stations.

Claim #29) The docking station of claim #1, whereby the docking station converts a non-functioning application device into that of a functioning application device upon being docked to said docking station .

Claim #30) The plurality of application devices of claim #1, whereby said application device is one or more of the group of; still photo camera, video camera, MP3 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, gaming system, eye tracking device, pupil monitor device, sensor, smoke detector, pill reminder, medication reminder, speaker, light, laser.

Claim #31) The lens of claim #3, whereby said lens is one of a dynamic focusing lens, static focusing lens, tinted lens, photochromic lens, electrochromic lens, thermochromic lens.

Claim #32) The memory storage means of claim #4, whereby said memory storage means is removable.

Claim #33) The memory storage means of claim #4, whereby said memory storage mean is not removable and said memory is transferred wirelessly.

Claim #34) The memory storage means of claim #4, whereby said memory storage means is not removable and said memory is transferred by way of a USB port.

Claim #35) The memory storage means of claim #4 whereby said memory storage means is not removable and said memory is transferred by a cable.

Claim #36) The power source of claim #7, whereby said power source is one of a rechargeable battery, disposable battery, fuel cell, solar cell, kinetic energy source.

Claim #37) The eyewear of claim #1, whereby said eyewear is one of goggles, dress eyeglasses, occupational eyeglasses, shooting eyeglasses, safety eyeglasses, sunglasses.

Claim #38) The temple of claim #2, whereby said temple comprises an end piece housing memory storage.

Claim #39) The temple of claim #2, whereby said temple comprises an end piece housing a power source.

Claim #40) The end piece of claim #38, whereby said end piece is removable.

Claim #41) The end piece of claim #39, whereby said end piece is removable.

Claim #42) The eyewear of claim #1, whereby said eyewear comprises two docking stations.

Claim #43) The two docking stations of claim #42, whereby said two docking stations each comprise one of a video camera, still photo camera.

Claim #44) The two docking stations of claim #42, whereby said two docking stations comprise one hearing aid in each.

Claim #45) The two docking stations of claim #42, whereby said two docking stations comprise one speaker in each.

Claim #46) The docking station of claim #1, whereby said docking station is located within the front 1/3 of the inside side of an eyewear temple.

Claim #47) The docking station of claim #1, whereby said docking station is located within the majority of the inside side of an eyewear temple.

Claim #48) The hearing aid of claim #30, wherein one hearing aid drives two speakers.

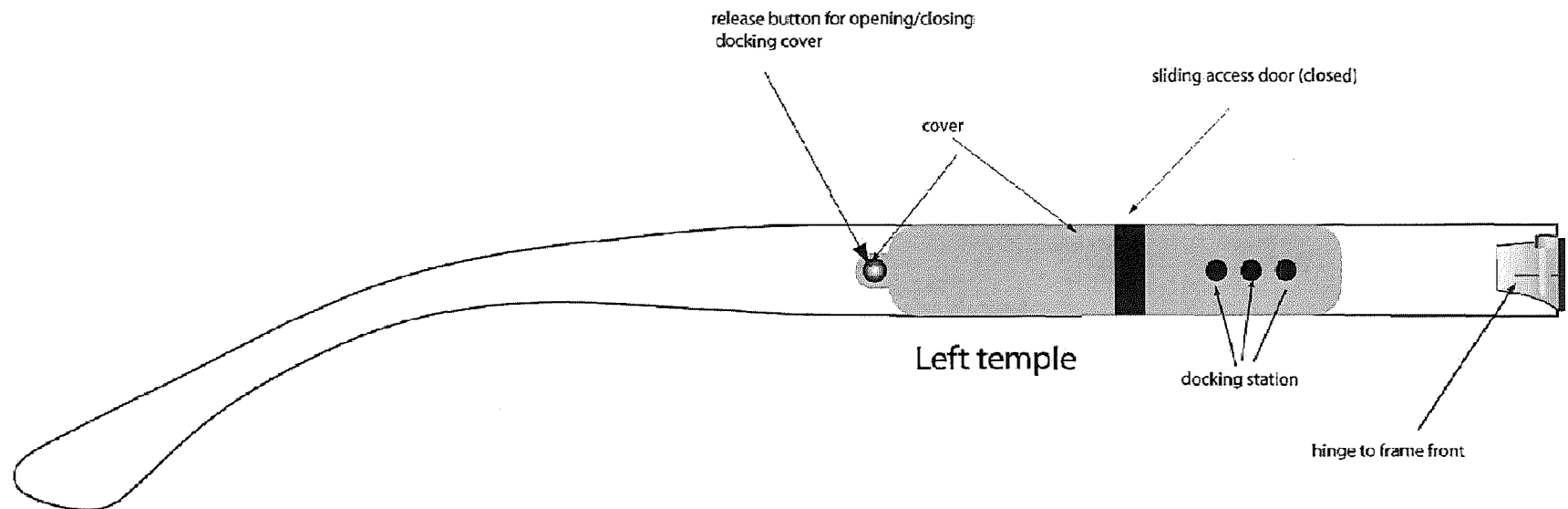
Claim #49) The MP3 player of claim #30, wherein one MP3 player drives two speakers.

Claim #50) The audio system of claim #30, wherein one audio system drives two speakers.

Claim #51) A pair of eyeglasses that comprises a docking station capable of a plurality of application devices, 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.

Claim #52) The application device modules of claim #1, whereby one application device module comprises a Bluetooth chip or circuit.

illustration #1



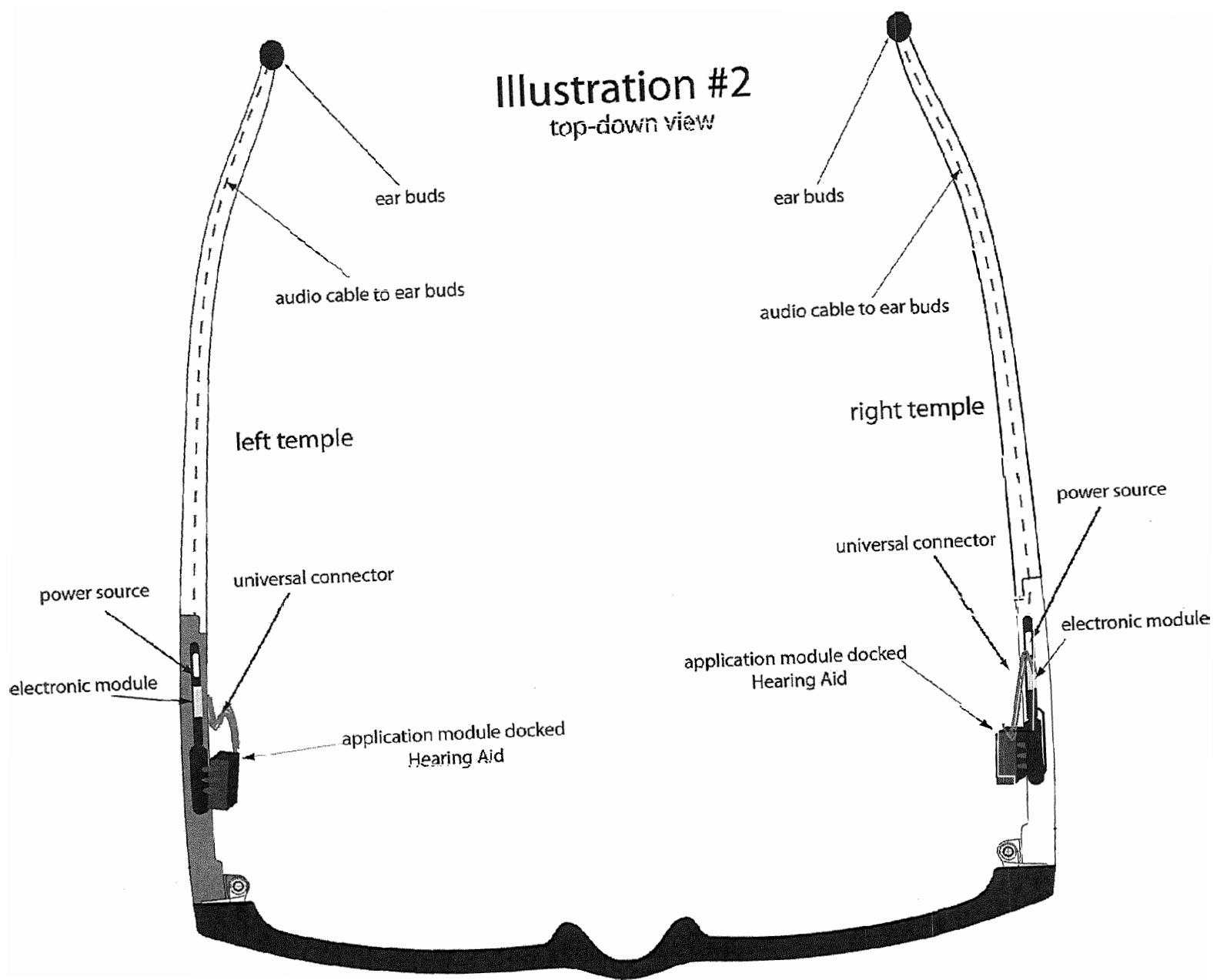


illustration #3

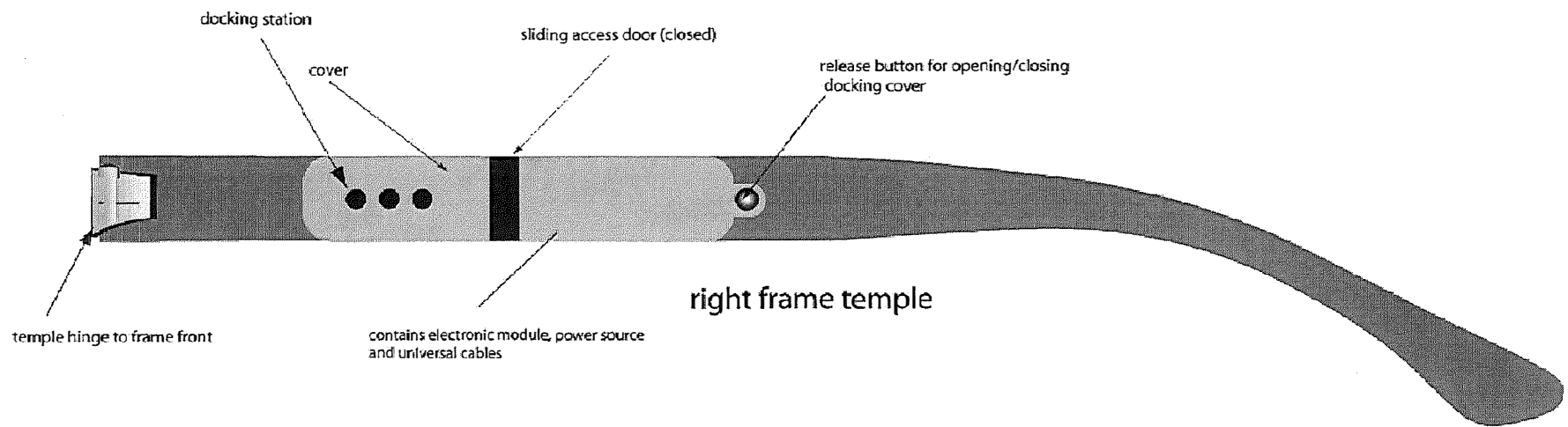


Illustration #4

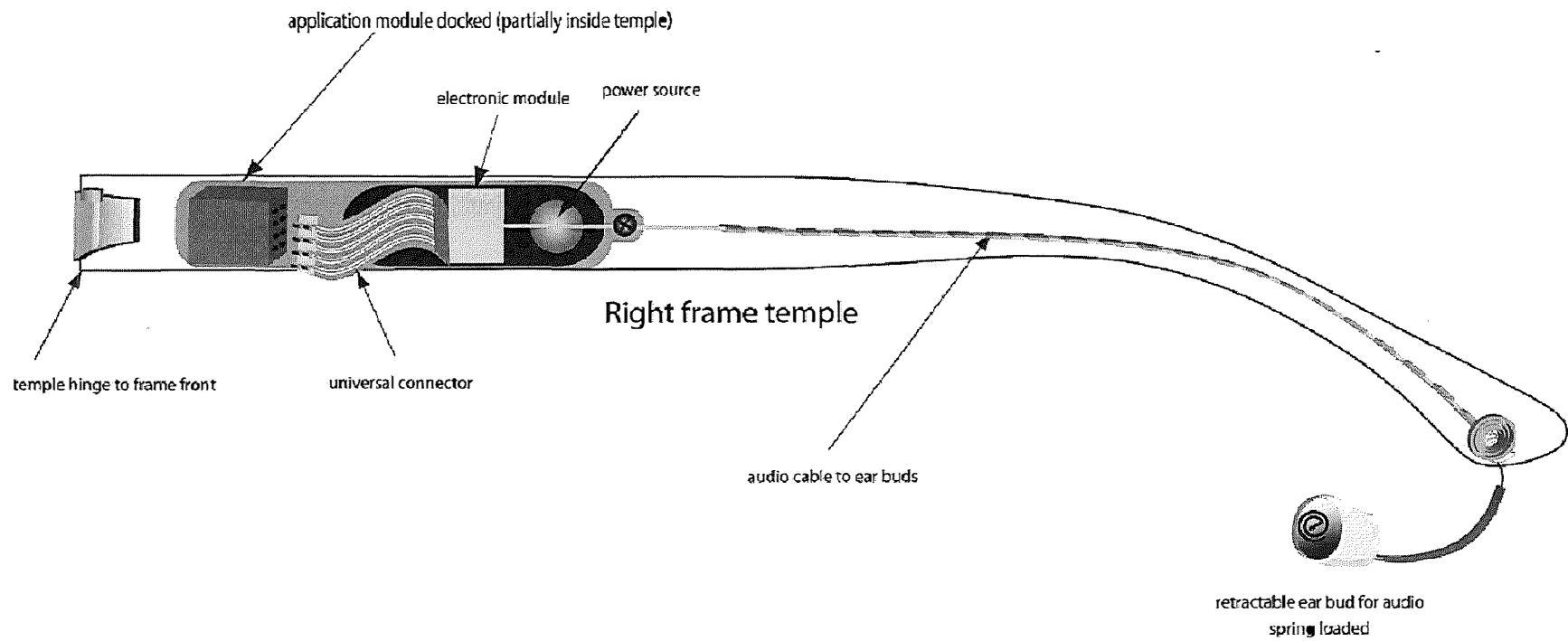


Illustration #5

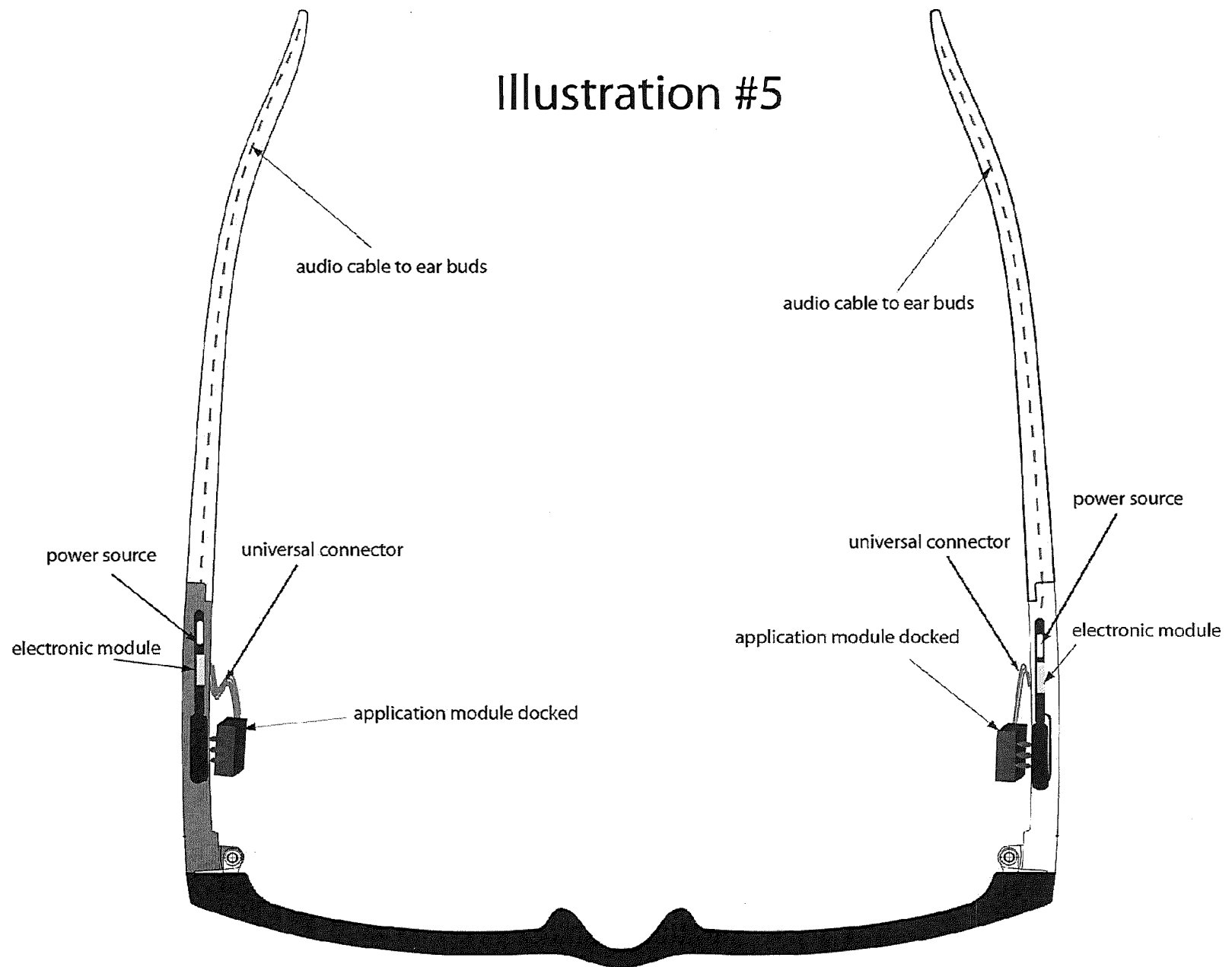


illustration #6

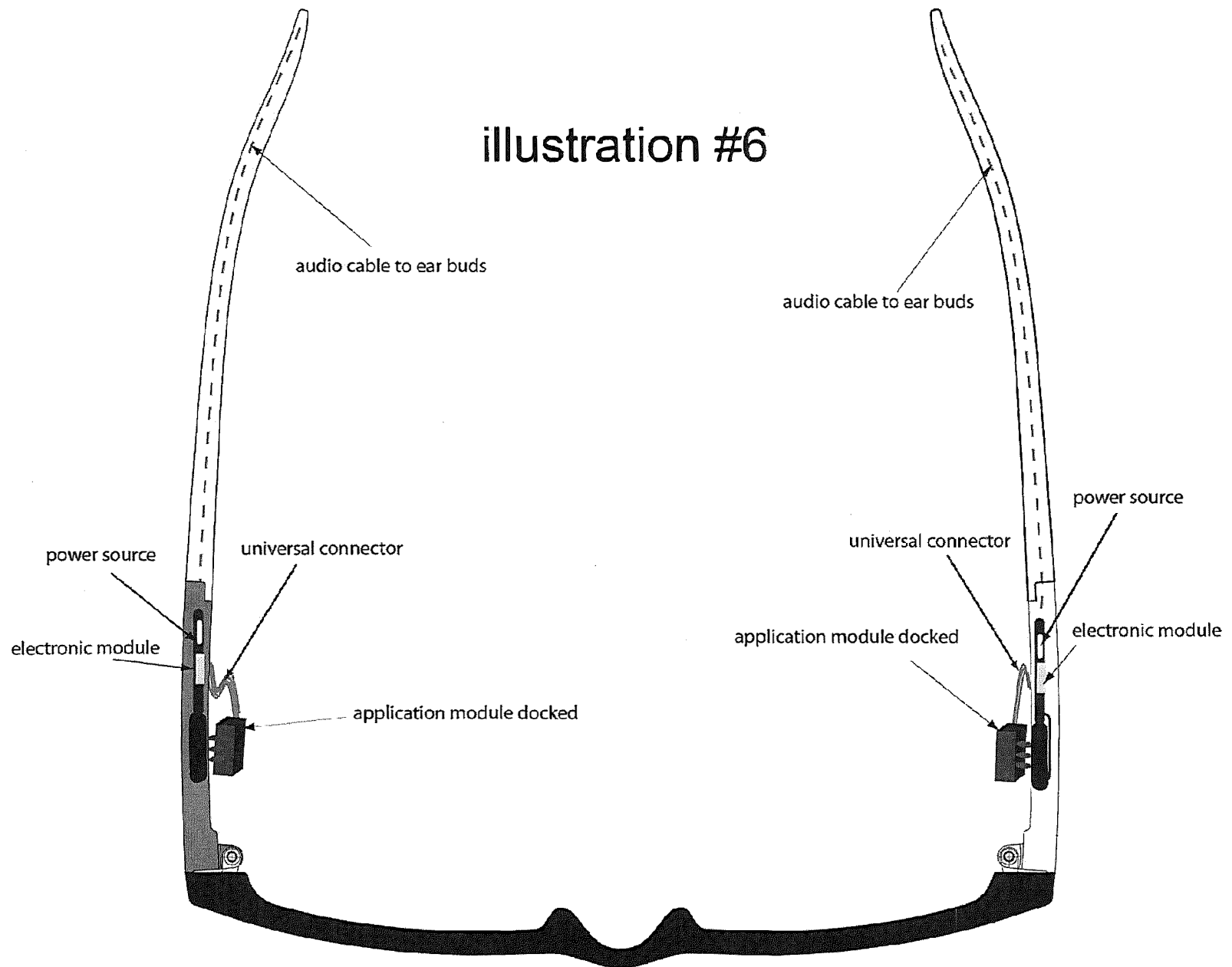


illustration #7

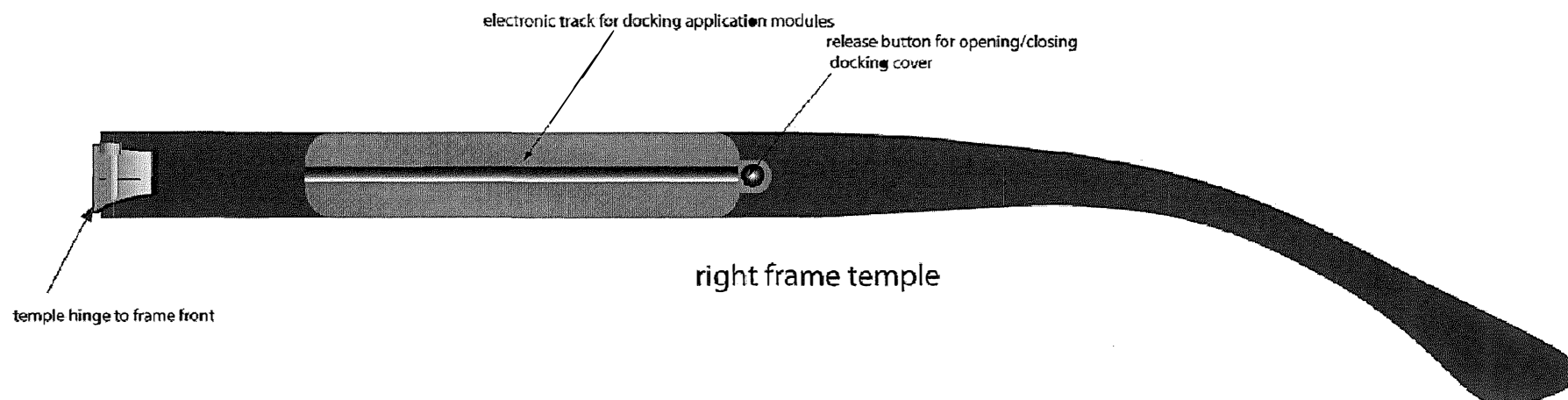


Illustration #8

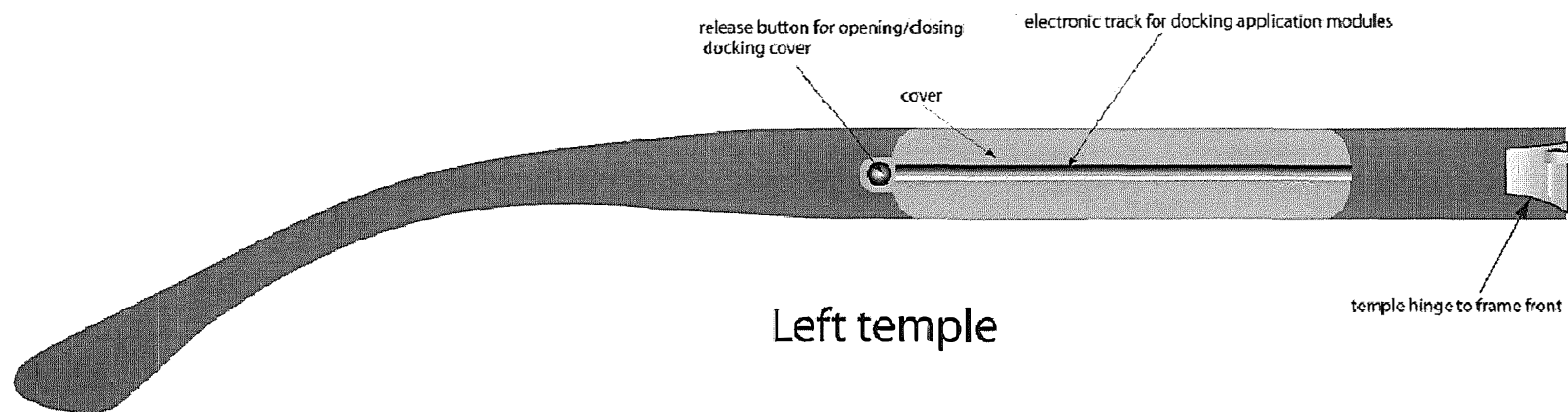


Illustration #9

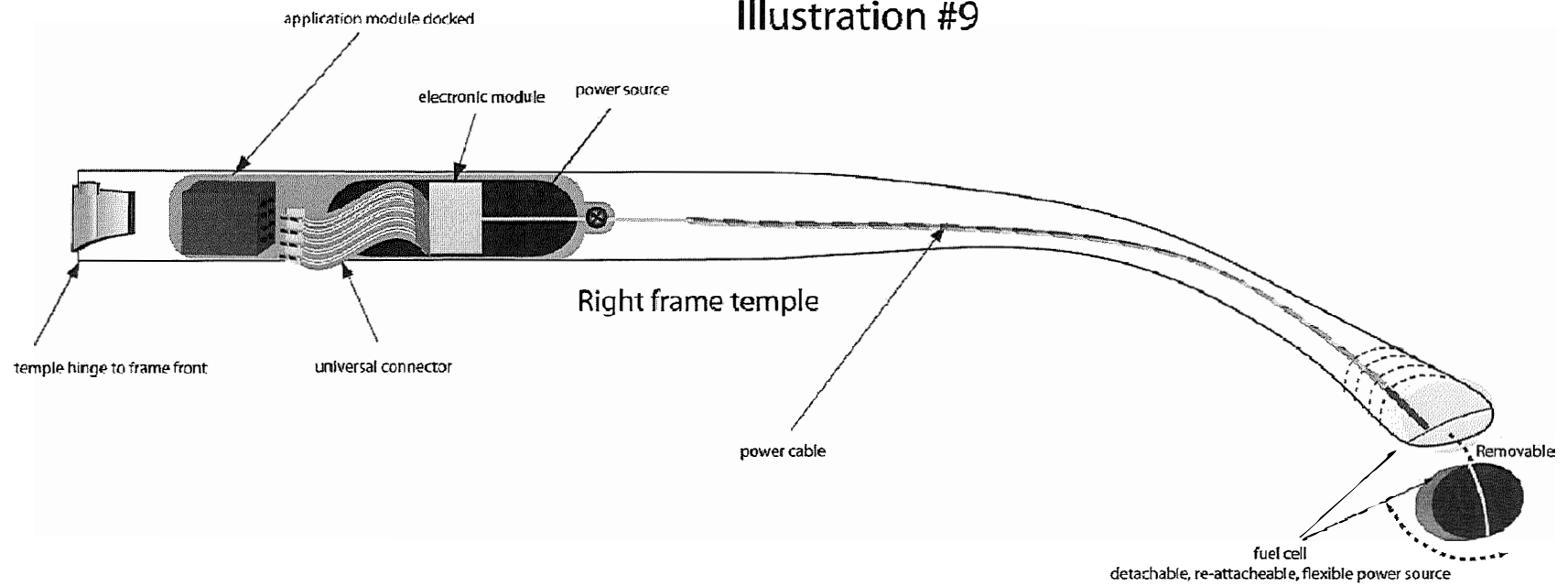


Illustration #10

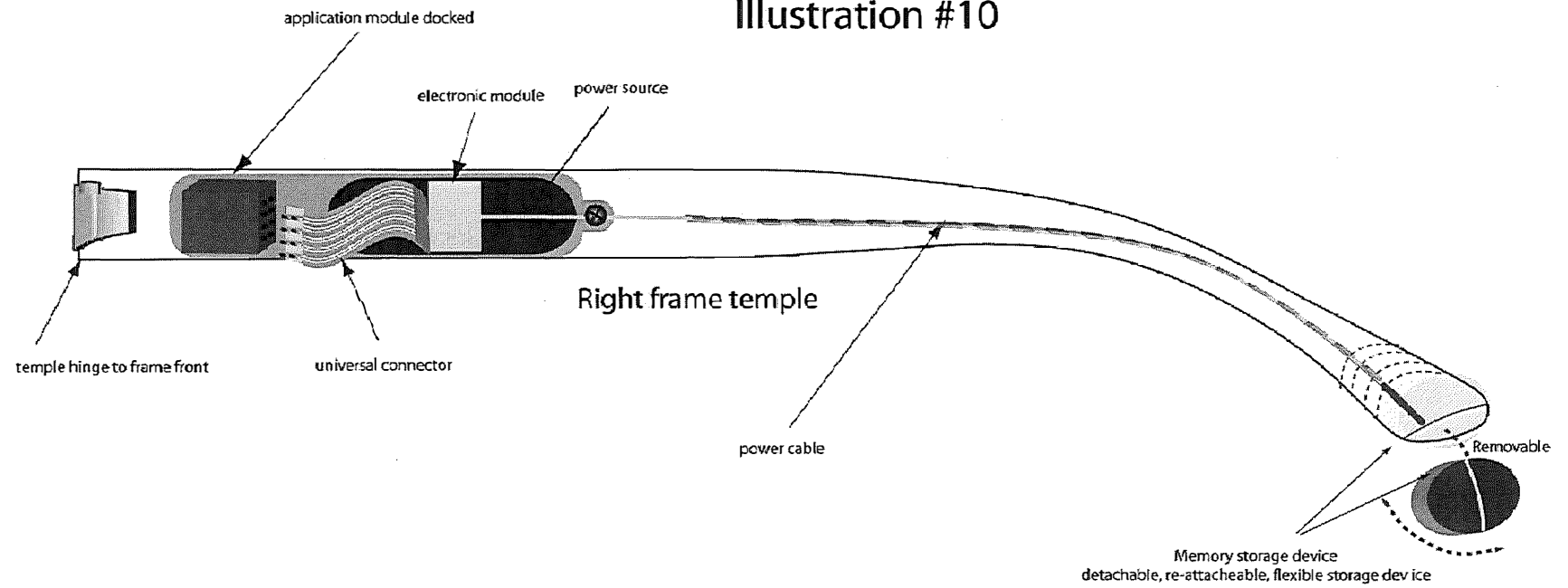


Illustration #11

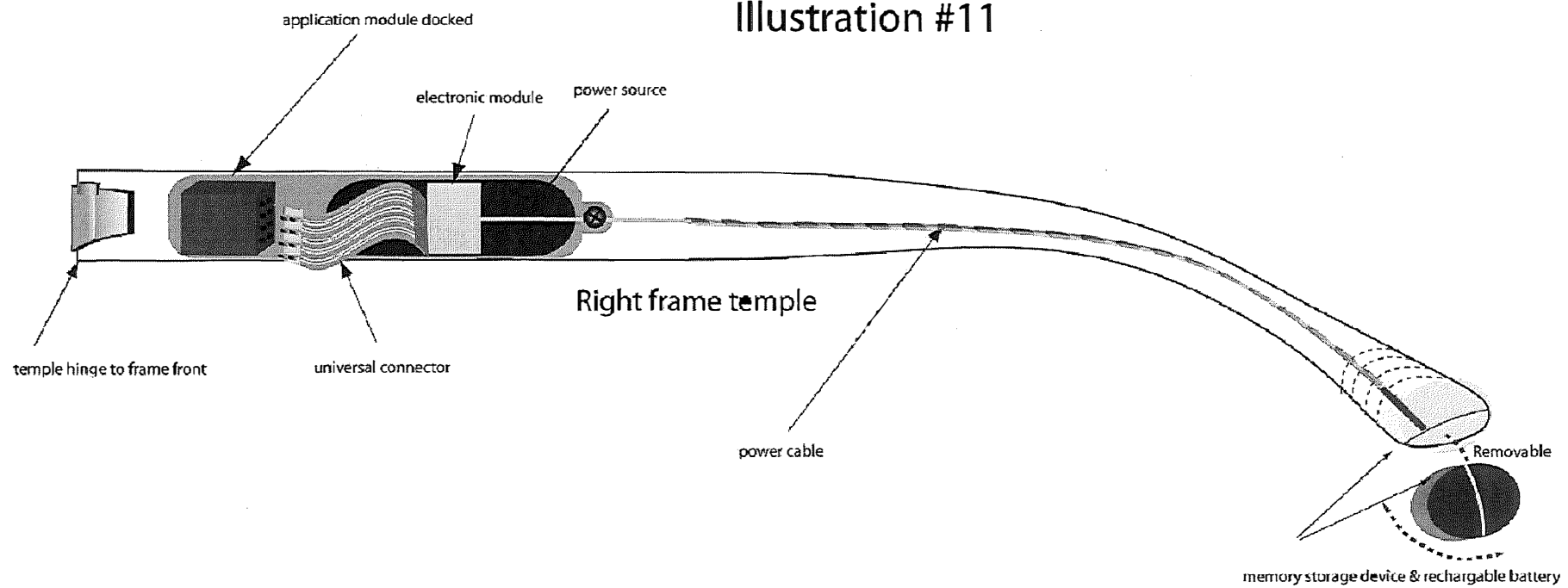


Illustration #12

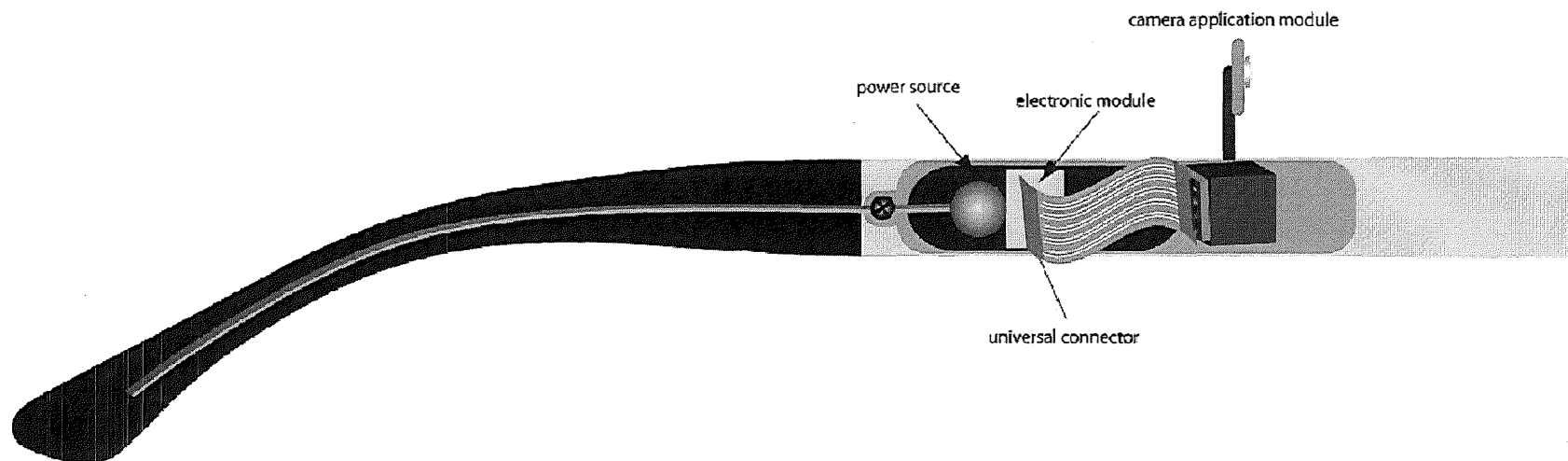


Illustration #13
top-down view

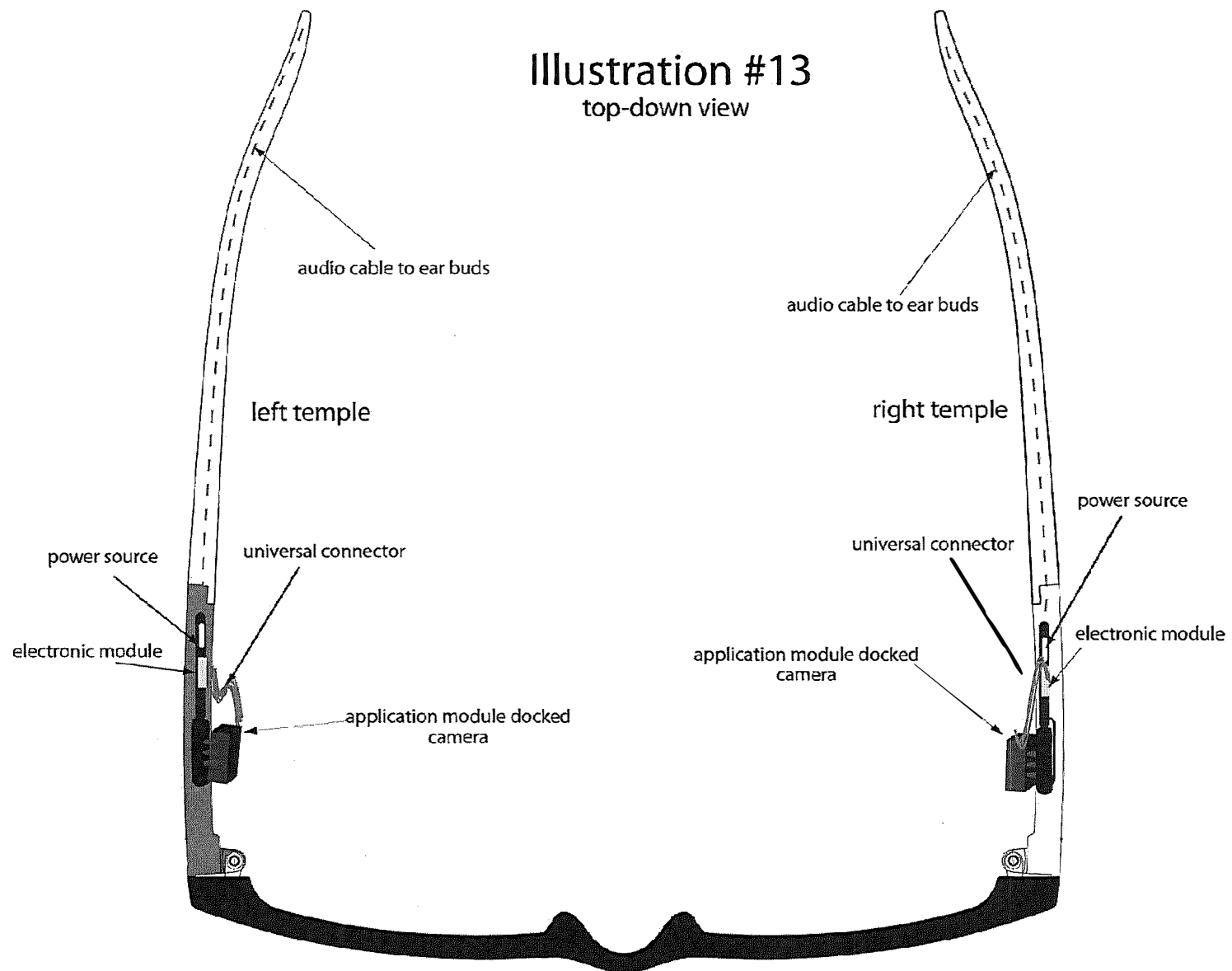


Illustration #14

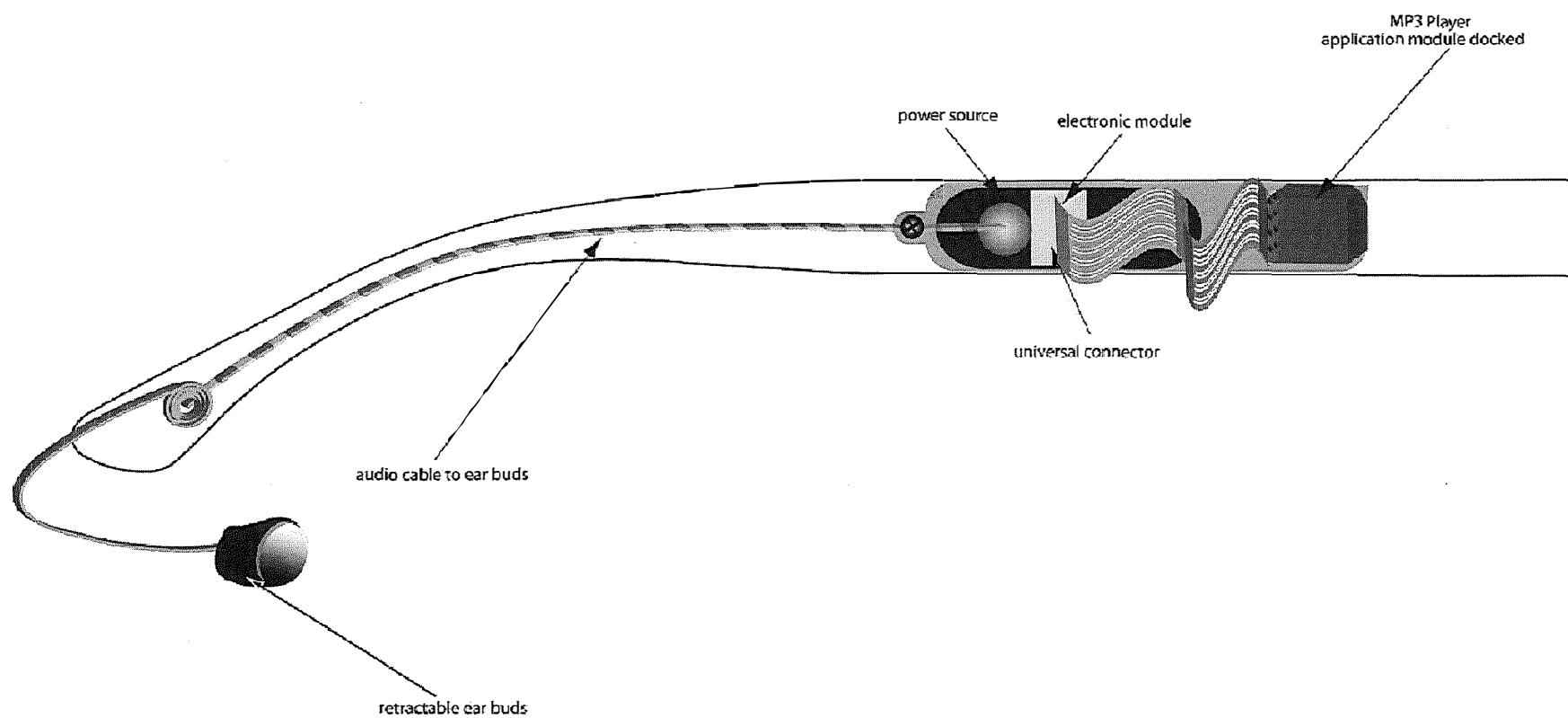


Illustration #15A

top-down view

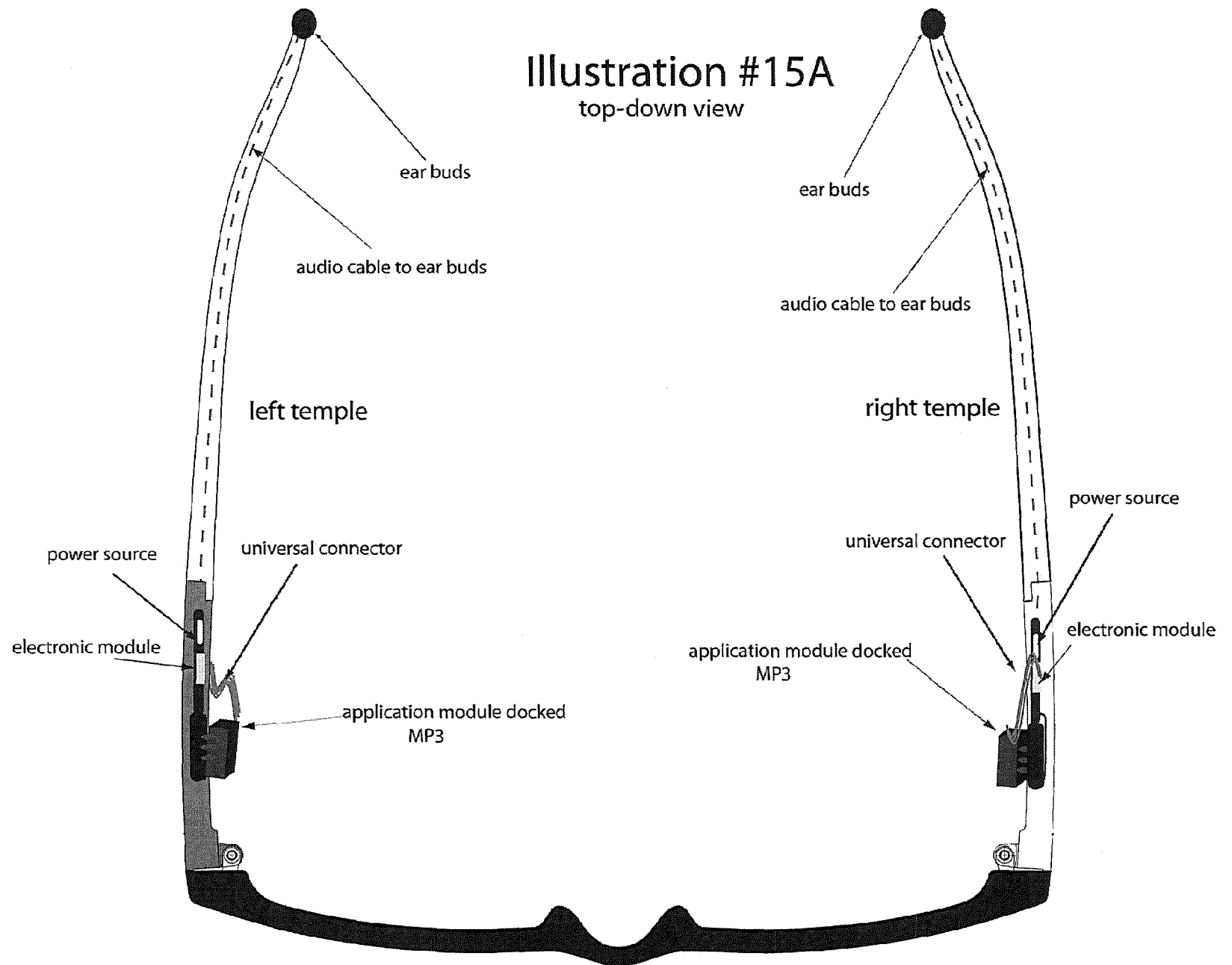


Illustration #15B

top-down view

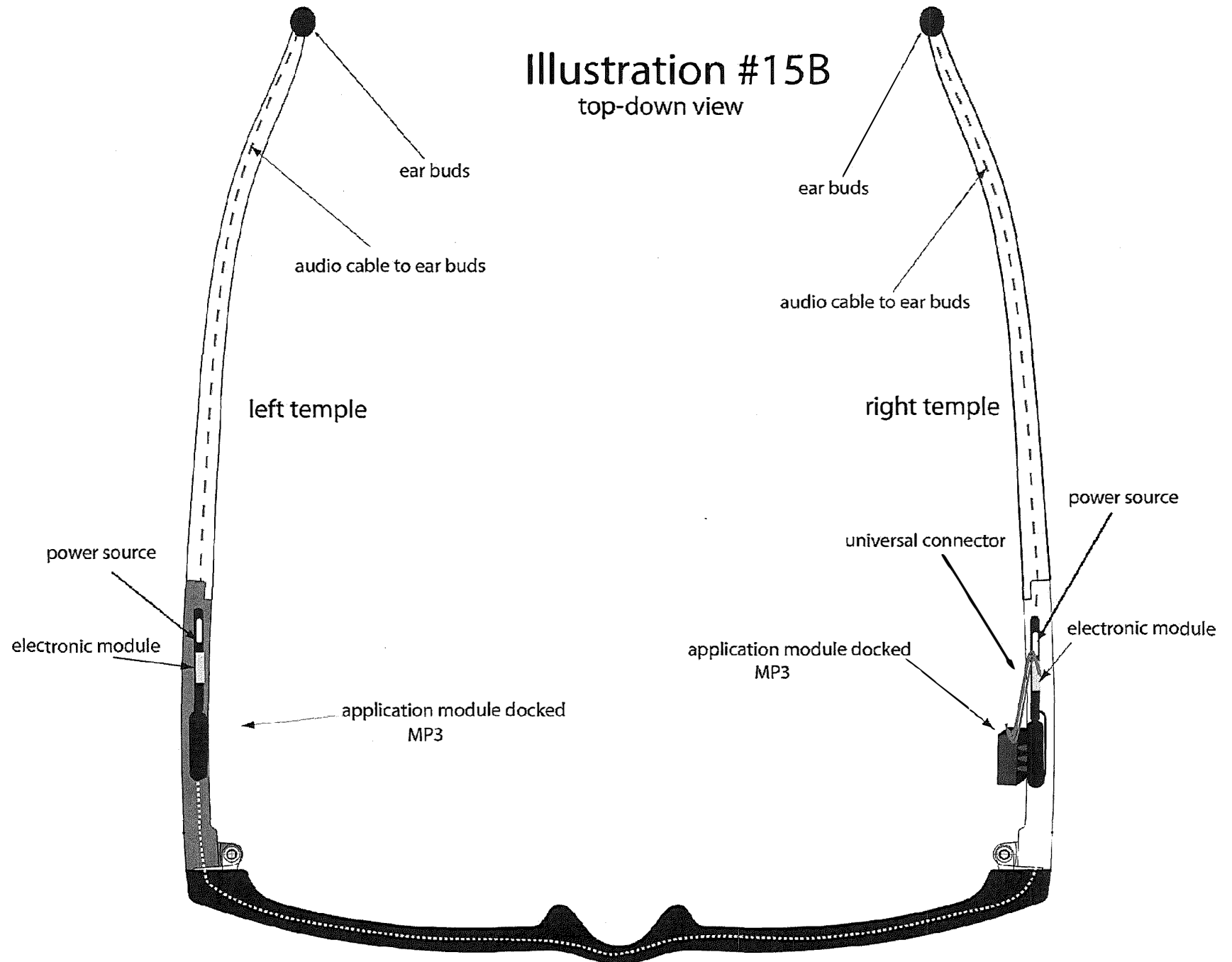


Illustration #16

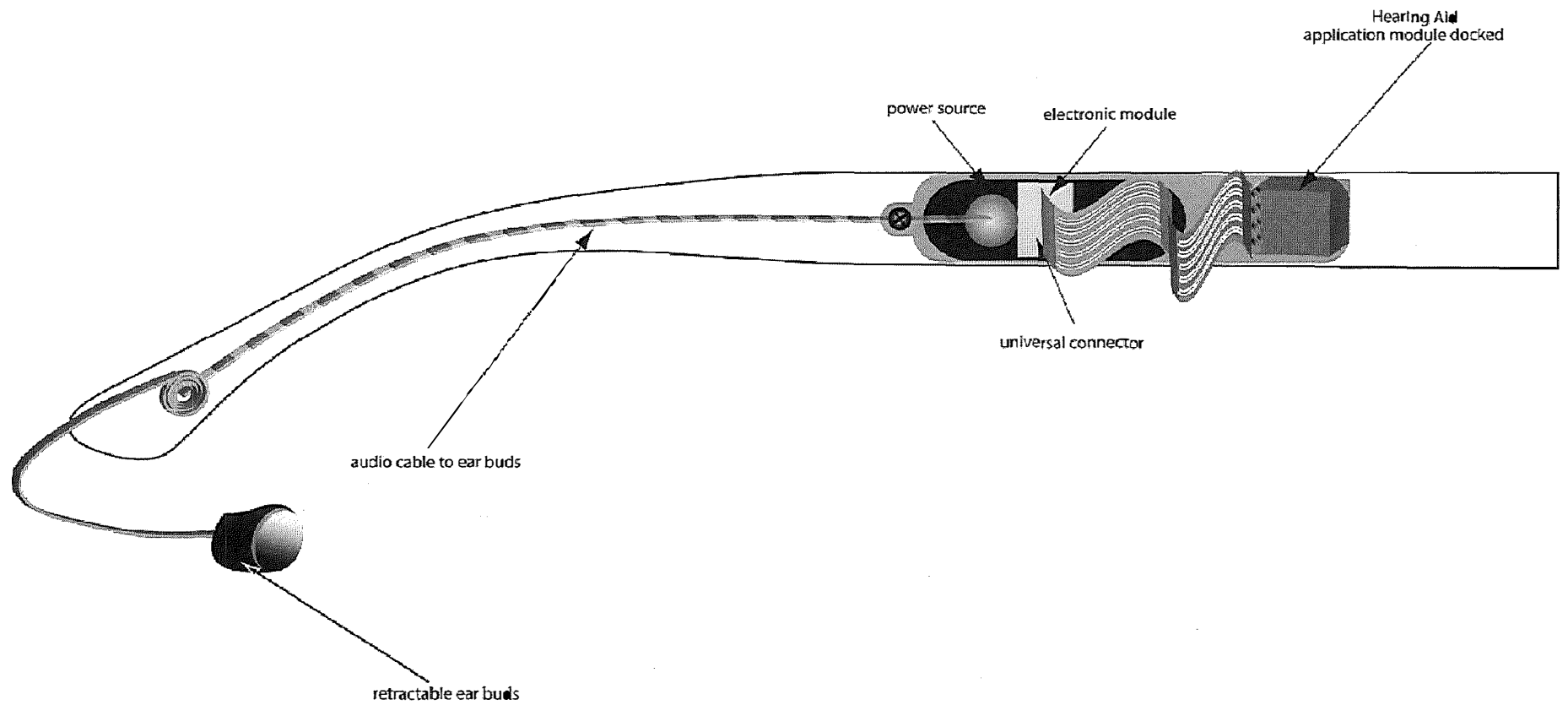


Illustration #17A

top-down view

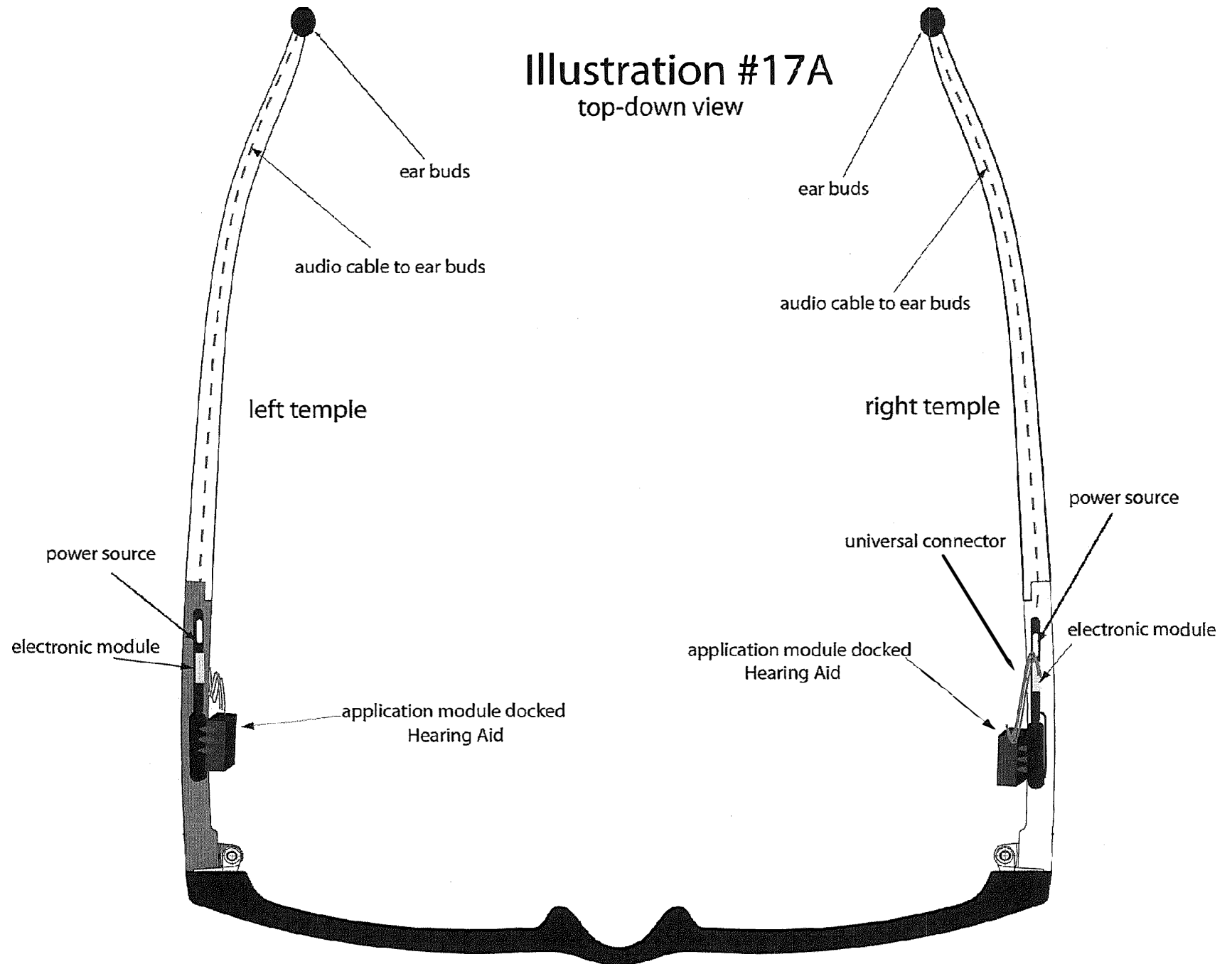


Illustration #17B

top-down view

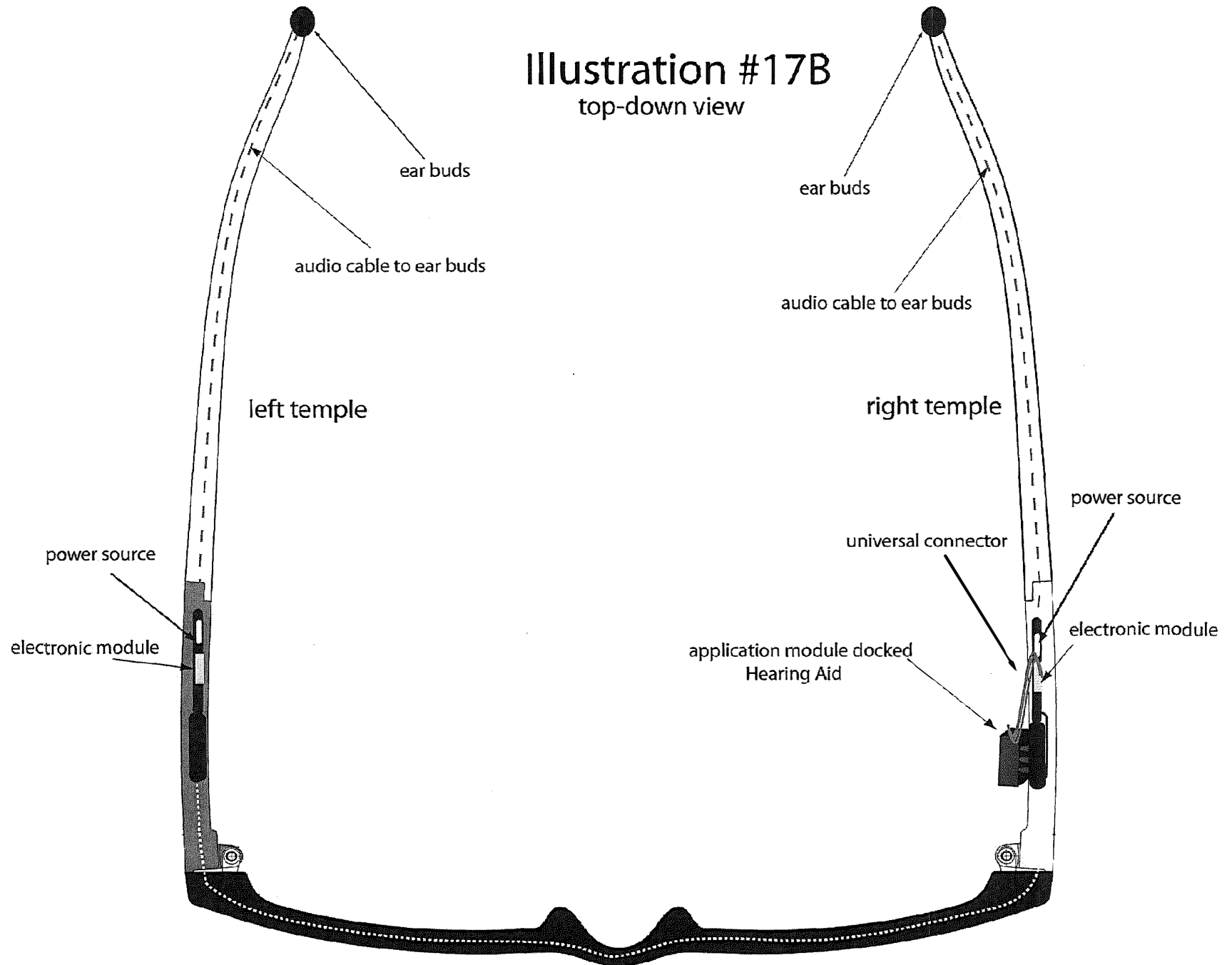


illustration #18

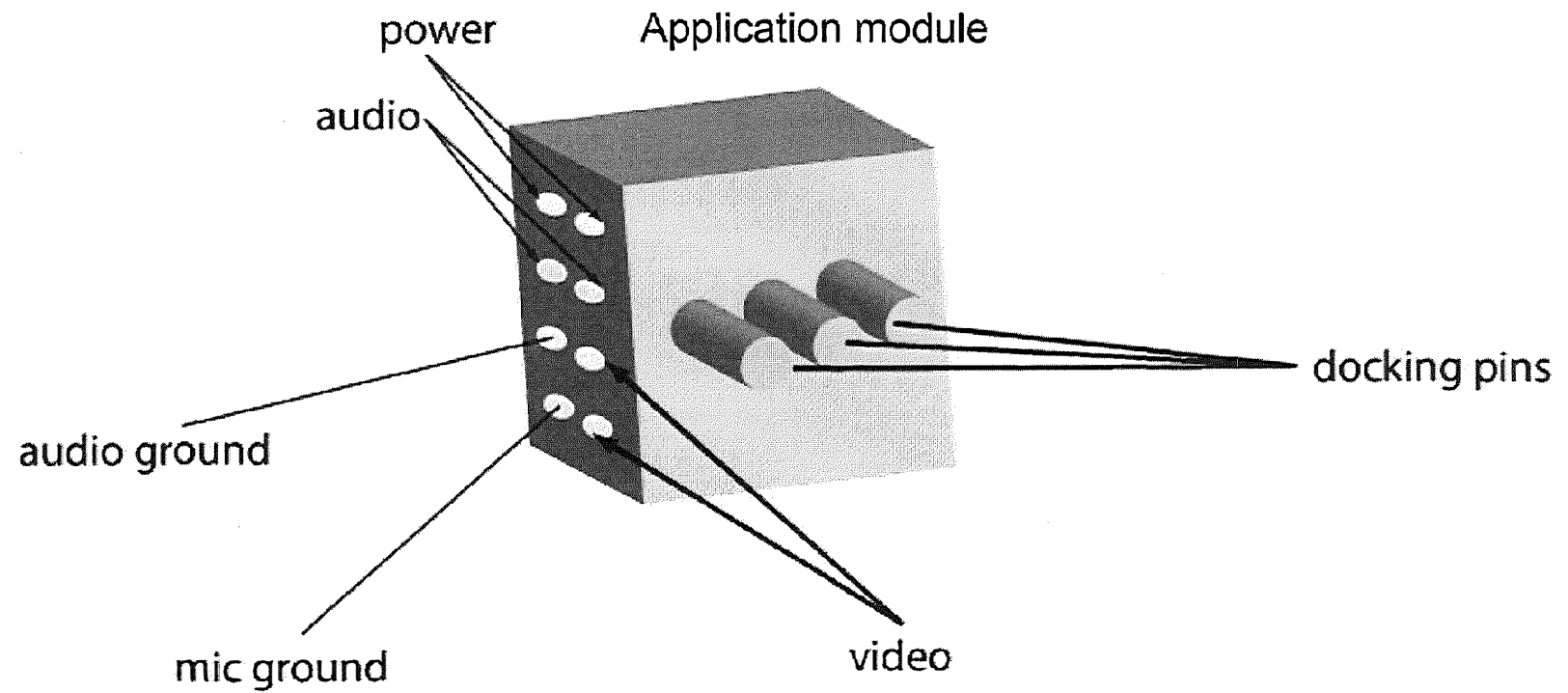


Illustration #19

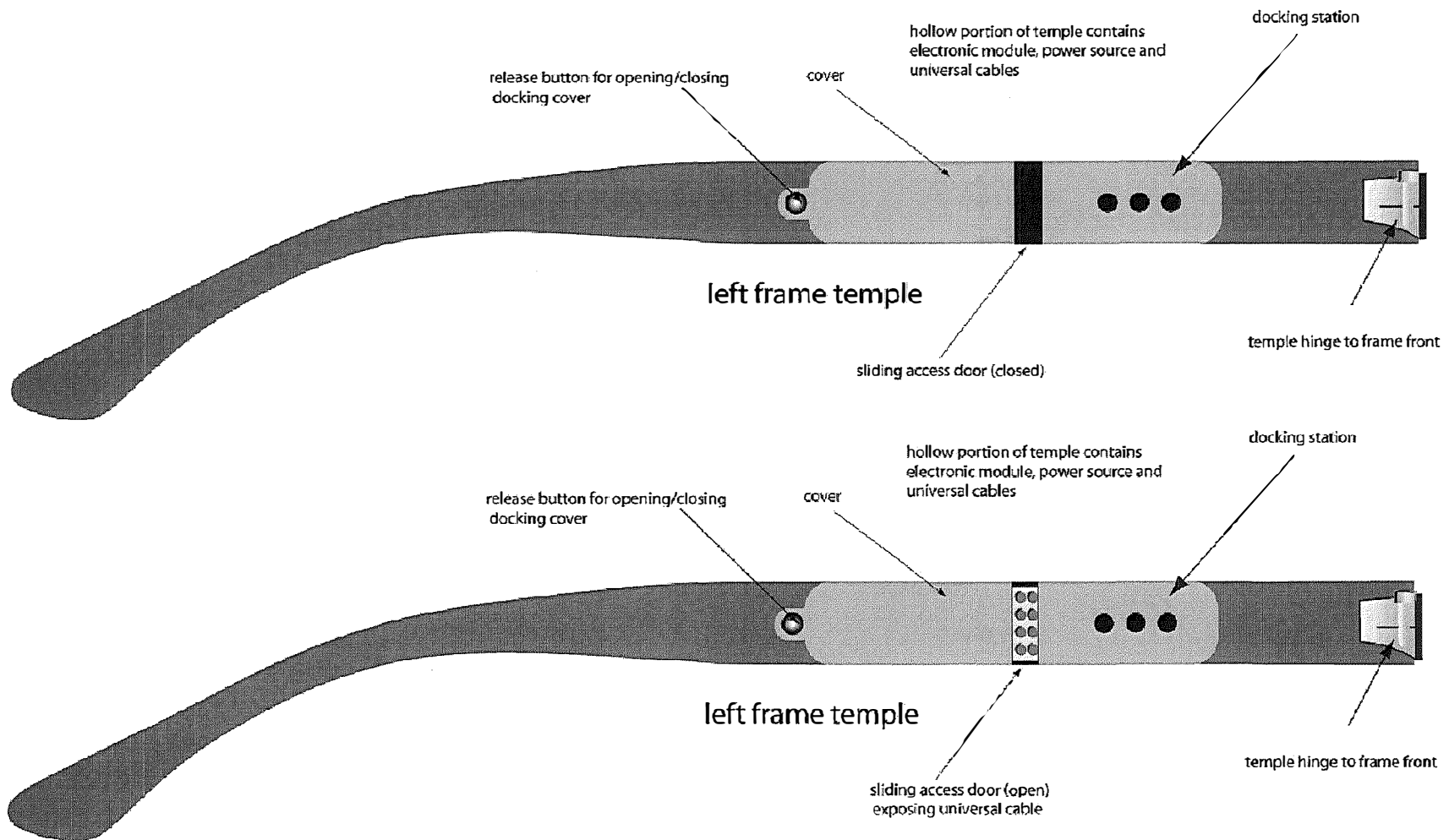


Illustration #20

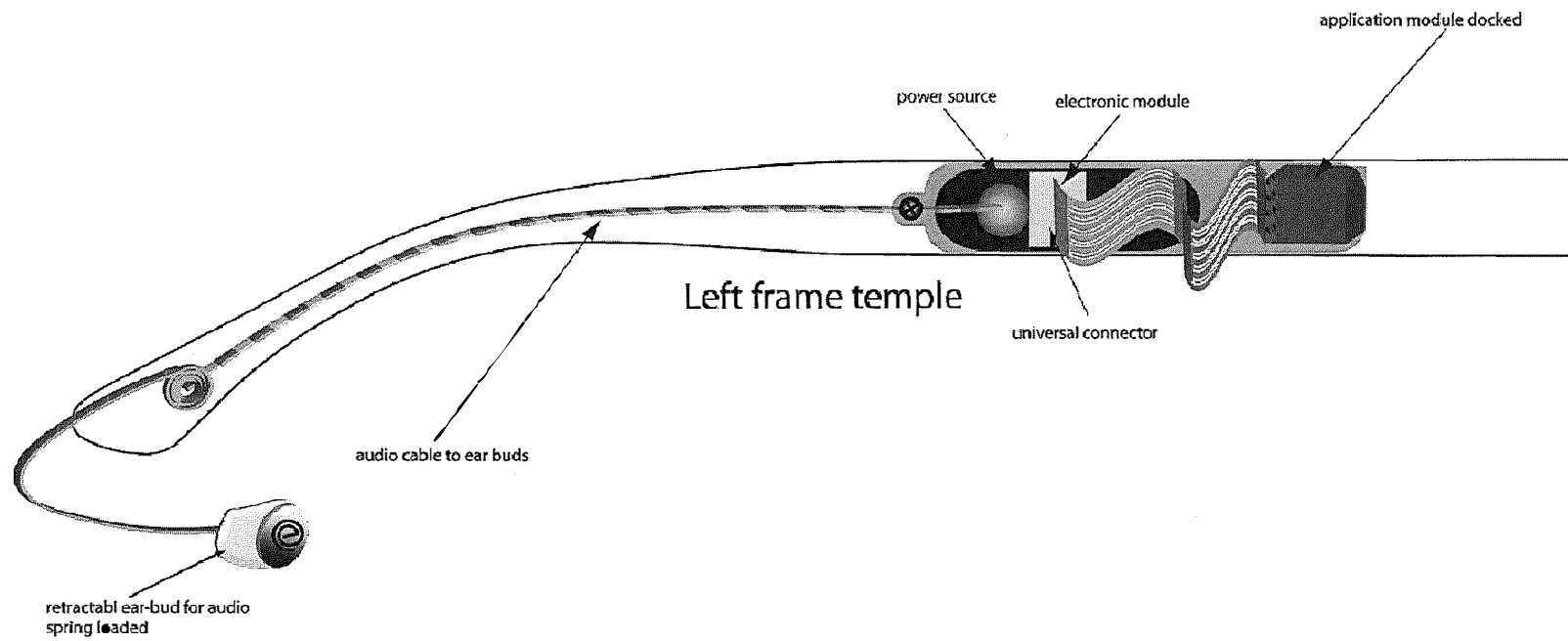
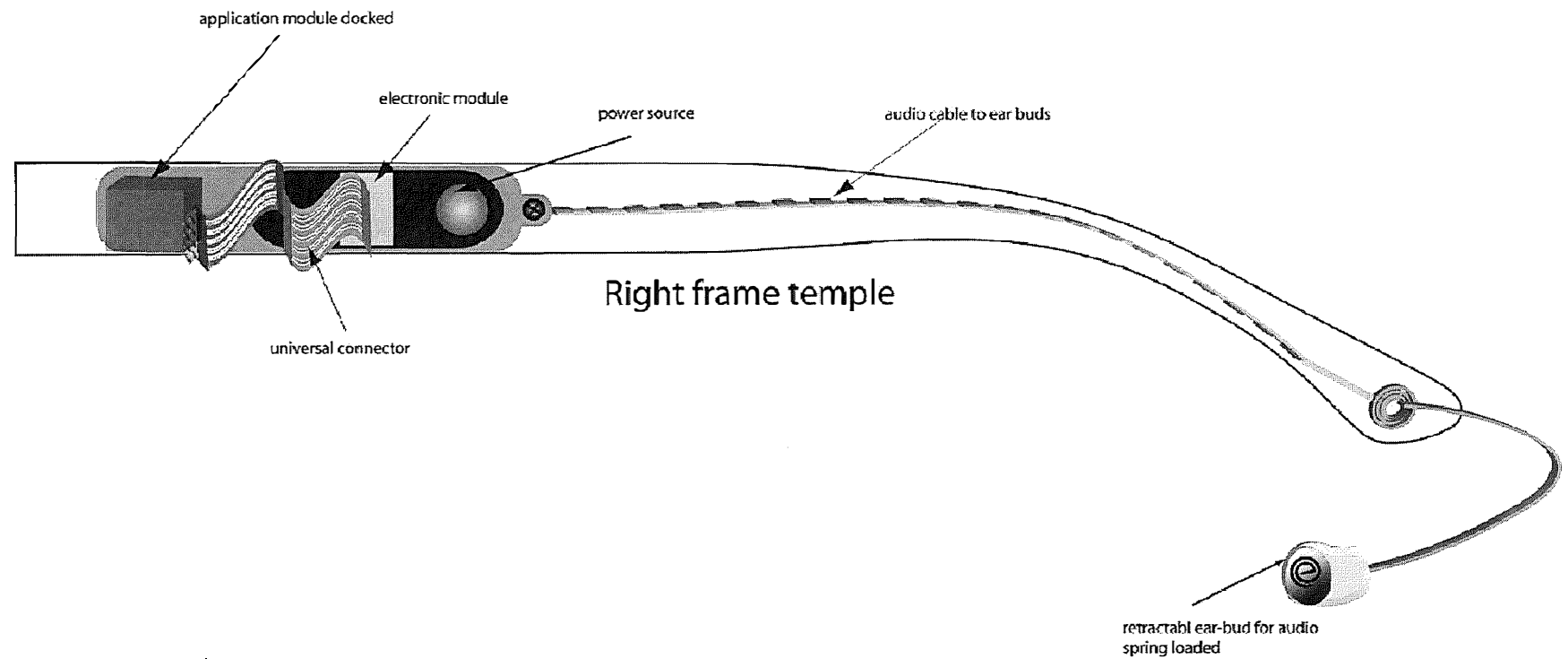
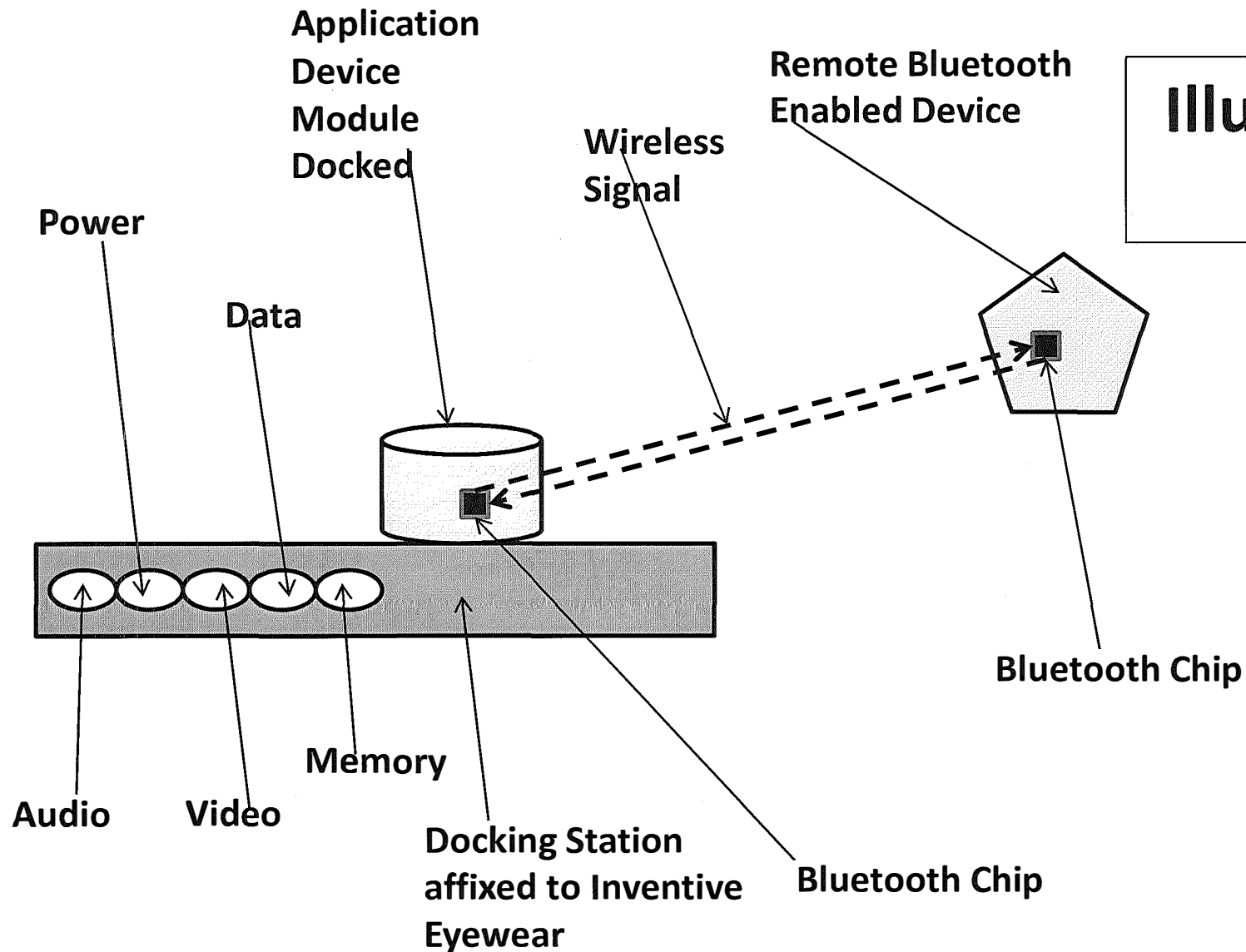


Illustration #21



Docking Station, Bluetooth Enabled Application Module



Electronic Patent Application Fee Transmittal

Application Number:

Filing Date:

Title of Invention:

Electronic Eyewear with Docking Station

First Named Inventor/Applicant Name:

Ronald Blum

Filer:

Amanda Wood

Attorney Docket Number:

P9933-USP226

Filed as Large Entity

Provisional Filing Fees

Description

Fee Code

Quantity

Amount

**Sub-Total in
USD(\$)**

Basic Filing:

Provisional application filing

1005

1

250

250

Pages:

Claims:

Miscellaneous-Filing:

Petition:

Patent-Appeals-and-Interference:

Post-Allowance-and-Post-Issuance:

Extension-of-Time:

074

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				250

Electronic Acknowledgement Receipt

EFS ID:	12628106
Application Number:	61638150
International Application Number:	
Confirmation Number:	1080
Title of Invention:	Electronic Eyewear with Docking Station
First Named Inventor/Applicant Name:	Ronald Blum
Customer Number:	72162
Filer:	Amanda Wood
Filer Authorized By:	
Attorney Docket Number:	P9933-USP226
Receipt Date:	25-APR-2012
Filing Date:	
Time Stamp:	15:42:53
Application Type:	Provisional

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$ 250
RAM confirmation Number	2542
Deposit Account	504280
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
		076			

1		P9933_USP226_As_Filed.pdf	4262592 450ecc80b0f6c0ceab22855492414458fac48f94	yes	43
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	Provisional Cover Sheet (SB16)		1	4	
	Specification		5	15	
	Claims		16	19	
	Drawings-only black and white line drawings		20	43	
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	29395 01835e459a7ee77a244581b7c4c750c0fa813333	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			4291987		
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.					