electronic frames, from external components and forces, or both. In addition, in some embodiments, the housing module may secure the electronics module to the electronic spectacle frames. Embodiments may also provide the advantage of allowing the electronics module to be selectively placed into (*i.e.* attached or coupled to) and selectively removed from a structural member (such as the temple of the frames) of an electronic spectacle frame. In this manner, embodiments may provide the ability to change electronics modules quickly and efficiently.

[0302] Embodiments Comprising a Façade

[0303] As used herein, the term "façade" may refer to an element of an electronic frame that may be attached to any portion of the frame, but preferably is attached to the "front" of the frames (*e.g.* the lens housing) that faces in the direction of a wearer's gaze. That is, the façade may typically be located on the frames so to be the farthest component away from the wearer's face. The façade is generally designed to not serve any structural or functional purpose (*e.g.* it does not itself house the lenses), but is provided for aesthetic reasons. The façade may be decorative, and may mask or hide some of the functional components of the electronic spectacles, such as one or more conductive paths between electronic components. In general, it may be preferred that the lens housing may comprise a frame design that is less than or equal to the appearance provided by the façade. That is, for instance, in some embodiments, the façade may present the appearance of a full rimmed frame design on rimless or semi-rimless spectacles, or the façade may present a semi-rimless appearance for rimless spectacles. However, embodiments are not so limited and any style façade may be used on any type of lens housing.

[0304] Spectacle frames may provide both functional and aesthetic value to a wearer. As noted above, spectacle frames are often stylistic and it is generally desirable that they have an appearance that the wearer deems appropriate. In this regard, in some instances, the electronic components of electronic spectacles may generally be noticeable and/or may add additional structural components to a device. Thus, it may be preferred that these components be concealed or otherwise hidden from outside observers, while maintaining the aesthetics and functionality of the electronic spectacles. In some instances, this may be done by utilizing the structural components of the eyeglasses (*e.g.* by embedding components in a temple of the frame); however, this may not always be possible and/or may not be suitable for other portions of the frames, such as for components on the lens housing. Such approaches may also increase the cost and complexity of manufacturing the electronic

Luxottica Ex. 1003 (Part 4 of 5)
IPR Petition USP 10,613,355

frames, and may, in some instances, affect the structural integrity of the frames (*e.g.* the structural members may not be as robust and may not be capable of withstanding the same amount of force as regular frames without breaking). Moreover, embedding electronic components in the frame may make access and/or maintenance of the components more difficult. In some instances, it may be desirable that a single electronic frame is capable of use for multiple functions, and thereby electronic components may need to be changed or replaced with other components without needing extensive fabrication or damaging the electronic frames.

[0305] In some embodiments, a façade may be provided that may be used to both provide aesthetic value and/or to hide or conceal non-aesthetically pleasing components, such as those that are associated with electronic components. In addition, in some embodiments, the façade may be a separate component that can attach to a structural member (such as the lens housing or the temples) and may thereby be manufactured in a different process than the other components of the electronic frames. In some instances, a single style or type of façade may be used for multiple types of electronic frames, which may thereby reduce manufacturing costs. Furthermore, in some embodiments and described in more detail below, the façade may be detachable (and/or re-attachable) such that one façade may be replaced with another for an electronic frame. In this manner, for instance, a user may change the appearance of the electronic frames without changing (or damaging) the underlying frames or components therein. This may essentially provide the user with the ability to have different style frames (or the appearance of different style frames) by simply replacing the façade that is attached to the lens housing or other structural member.

[0306] Moreover, in some instances, the use of a façade may reduce the costs and complexity of manufacturing electronic spectacles frames, and in some embodiments, may reduce the complexity and fabrication of forming the electrical connections to electro- lenses (or other electronic components). For instance, in some embodiments, a conductive path from an electronic component (such as a power source, controller, and/or other components which may, for instance, be disposed in an electronics module) may be partially exposed after manufacturing. A façade may be used to both conceal this part of the conductive path, and also to protect and insulate the path from external forces. In this manner, in some embodiments, the conductive path (or a portion thereof) need not be embedded or manufactured directly into the electronic spectacle frames. Furthermore, it may be less complex to form such connections, particularly on rimless or semi-rimless frame designs, but for stylistic purposes, a wearer may desire a semi-rimless or full rimmed design, respectively.

A façade may be used in such instances to provide the appearance of a different style frame, while allowing for spectacle frames that provide the functional and/or structural benefits of a different style frame.

[0307] Exemplary Embodiments of Electronic Spectacle Frames Comprising a Façade

[0308] Provided below are further exemplary embodiments of electronic frames. These examples are provided for illustration purposes only. In addition, a person of ordinary skill in the art after reading this disclosure may understand that various combinations of components discussed above or below may be made. In this regard, embodiments may provide electronic frames that comprise a façade.

[0309] A first device may be provided that comprises eyeglasses, where the eyeglasses may further include a lens housing and a first and a second temple coupled to the lens housing. The lens housing may support a first and a second lens (or other optics). The first and second lens may be electro-active lenses; however, embodiments are not so limited. The first device may further include a façade that covers the lens housing. The term "covers" as used herein may refer to when the façade provides aesthetic value while obscuring at least a part of the lens housing from view. However, the façade need not encapsulate the lens housing or surround the entire lens housing to "cover" it, but rather the façade obscures the lens housing (or portions thereof) from a viewer (typically from a frontal view). That is, and as described above, the façade may be provided for cosmetic reasons and may cover, for instance, the front of the lens housing (*i.e.* the portion of the lens housing that faces away from the wearer); however, embodiments are not so limited as the façade may be located on any part of the frame. Examples of embodiments comprising a façade are shown in Figs. 28 and 29 and described in detail below.

[0310] The first device may further include an electronic component, and at least one conductive path may be provided from the electronic component to the first lens having a portion that runs through the lens housing. As used in this context, the term "runs through" may refer to when a conductor (such as a wire or conductive rubber) may be disposed within (or coupled to) the lens housing, or that the lens housing (or a component thereof) may itself be conductive. As noted above, an electronic component may comprise any electrical device or component thereof, which may in some embodiments include an electronics module (as described above). For instance, an electronic component may comprise a power source such that the first conductive path may drive current or voltage from the electronic component (*e.g.* a battery) to the first lens or any other component. The electronic component may also

comprise any other component of an electronics module, such as a controller and/or sensor mechanism. The electronic component or components may provide some of the functionality of the electronic spectacle frames, while the façade may provide or enhance the aesthetic value and appearance of those same frames.

[0311] Some embodiments may thereby provide the advantages of the functionality of electronic spectacle frames with a desired aesthetic appearance. For instance, by utilizing a façade, embodiments may provide rimless or semi-rimless electronic spectacle frames that appear as semi-rimless or full rimmed frames. In this manner, some embodiments may provide the advantages associated with a semi-rimless or rimless design (*e.g.* in some instances, more accessibility to electronic components or electrical paths provided therein, less materials required to fabricate a lens housing, etc.) with the aesthetics of other frame designs (*e.g.* the façade could give the appearance of a metal or plastic (such as zyle style) front while the frames comprise a semi-rimless or rimless design behind the façade). In some instances, the use of a façade may provide the wearer with the ability to use different façades (and thereby give the appearance of different frame designs) while utilizing the same base electronic frames. That is, for instance, a wearer may be provided with the ability to change the appearance of frame style and design without having to purchase multiple (and potentially expensive) electronic frames. In some instances, the façade may hide or conceal portions of the conductive path. In this manner, it may be possible to use less desirable materials (*e.g.* materials with distinct and conspicuous colors) that may be less expensive and/or easier to use to fabricate the electronic frames without sacrificing the aesthetic value of the lens. By concealing such undesirable components, the façade may thereby provide additional choices for components, as well as the location of the components. For instance, rather than requiring that the conductive path be completely or substantially embedded within the lens housing (or another structural member), embodiments that utilize a façade may locate these components in locations that might otherwise be visible but-for the façade concealing those portions. In this regard, in some embodiments, the use of a façade may permit fabrication of portions of the electronic frame (such as the lens housing) using components that may be less expensive than other, more desirable components (or may allow for the use of a smaller amount of those components), while still giving the appearance that the frames comprise the more desirable material. It should be understood that these advantages are purely exemplary and are not meant to be limiting.

[0312] In general, the electronic component (or components) in the first device as described above that comprises a façade may be located in any suitable location on the electronic

frames. For instance, the electronic component (which may be included within an electronics module) may be coupled to the first temple. Locating the electronic component on the temple may be advantageous in some embodiments as it may provide a relatively large amount of space to dispose such components in a location that may not be readily apparent to an observer. In comparison, for instance, locating electronic components on the lens housing may be more apparent to an observer. However, embodiments are not so limited and in some embodiments, the electronic component (or components) may be coupled to the lens housing. This may provide, in some instances, an advantage in that a conductive path may not need to be provided from the temple to the lens housing (or to an electro-active lens). In addition, in some instances, the façade may be disposed so as to cover or conceal the electronic component from an observer, whether the component is located on the lens housing or on the temple.

[0313] In some embodiments, in the first device as described above that comprises a facade, at least one conductive path may be provided from the electronic component to the second lens having a portion that runs through the lens housing. That is, for instance, in some embodiments, an electronic component (or components) may be electrically connected to both the first lens and the second lens (and the first and second lens may be electro-active lenses). In this manner, a single electronic component (such as a power source, controller, etc.) may provide functionality to both lenses, and thereby reduce the number of electronic components that may need to be located on the electronic frame. The conductive path may be provided by the lens housing, through the lens housing (*e.g.* by an embedded conductive element), and/or by a conductive element coupled to the lens housing. The façade may cover some, or all, of the conductive path provided to the second lens.

[0314] As noted above, in some embodiments, in the first device as described above, the façade may cover a portion of the lens housing. That is, the façade need not necessarily cover the entire lens housing of the electronic frames. In some embodiments, the façade is coupled electronic frames so as to cover only the front of the lens housing, which is often the portion of the lens housing that is most conspicuous to an observer. The façade may be coupled to the front of the housing using any suitable means, including by way of example only, an adhesive (*e.g.* double sided tape), a fastener (such as a screw), or the lens housing may be structurally configured so as to receive and couple to the façade. For instance, the lens housing may comprise a slot or recess, and the façade may comprise a corresponding structural component that may be inserted into the slot or recess and thereby couple the two components (or vice versa). However, any suitable means of coupling the components may

be used. For instance, in some embodiments, the façade (or a component thereof) may be pressure fitted so as to be inserted into an opening of the lens housing, and expand (*i.e.* "snap" into place) so as to couple the two devices together.

[0315] Moreover, in some embodiments, the façade may only cover the top portion of the lens housing (such as if one or more electronic components are located on the top portion of the lens housing, and it is desirable to conceal or cover just those components). In some embodiments (for instance, in semi-rimless frame embodiments), the façade may only cover the portion of the lens housing that does not comprise eye-wire, and may thereby give the appearance of a full rimmed spectacle frame. The use of the term "appearance" in this context may generally refer to the perception of the components that an observer may have when viewing the first device or a portion thereof. Similarly, in some embodiments, such as when the electronic frame comprises a rimless design, the façade may provide the appearance of semi-rimless spectacle frames, and may thereby only be required to cover a corresponding portion of the rimless frames. Indeed, in general and as noted above, it may not be necessary in some embodiments for the façade to cover the portions of the lens housing that may be less conspicuous to an observer (such as the back of the lens housing). However, embodiments are not so limited, and in some instances, in the first device as described above, the façade covers the entire lens housing. This may be advantageous in that the façade may provide a desired stylistic appearance no matter the angle that an observer is viewing the device from. However, providing a façade that covers all or substantially all of the lens housing may increase the cost and complexity of the façade, including in some instances, making it difficult to couple and decouple the façade to the electronic frames.

[0316] In some embodiments, in the first device as described above that comprises a façade, the lens housing may comprise rimless or semi-rimless spectacle frames. In this regard, the lens housing may include in some embodiments at least one of: one or more screws (*e.g.* rimless frame designs) or rim wire (*e.g.* semi-rimless or full rimmed designs). As was described above, the façade may provide the appearance that rimless frames (*e.g.* rims that do not comprise eye-wire and/or have a lens housing that comprises one or more screws that couple the lenses to the temples) are semi-rimless or full rimmed spectacle frames. Similarly, in some embodiments, the façade may provide the appearance that semi-rimless frames (*e.g.* rims that comprise eye-wire around some but not all of the outer edge of the lenses) are full rimmed spectacle frames. This may, for instance, provide an appearance that is desired for the wearer, while requiring less materials to manufacture the electronic frames, and may permit the use of materials that may be more functional but less suitable for

a style or aesthetics (because the façade may cover the components), etc. In some embodiments, the façade may even be used to cover portions of a full rimmed electronic frame. This may be the case, for instance, if the full rim design uses components that are not aesthetically pleasing (but may be suitable for use in electronic spectacles, such as if the components of the frame comprise conductive materials). The façade may be used to cover such non-appealing features, and also serve to cover electrical connections between components. In addition, the use of the façade may permit the style of the full rimmed spectacles to be changed, without necessarily requiring the purchase of new electronic frames or significant portions thereof.

[0317] Therefore, as noted above, although in general the façade may be utilized to provide the appearance of spectacles as having a design that utilizes more frame, embodiments are not so limited. For example, in some embodiments, the façade may provide the appearance of full-rimmed frames on spectacles where the lens housing also comprises a full-rimmed frame design. In some embodiments, the lens housing may comprise a semi-rimless design, and the façade may also provide the appearance of a semi-rimless design. In some embodiments, the lens housing may comprise a rimless design, and the façade may provide the appearance of a rimless spectacle frame. Such embodiments may enable the use to customize and/or change the appearance of the lens housing, while still maintaining the frame design features. That is, for instance, the façade may comprise a different color, design, material, and/or otherwise provide a different appearance. Moreover, the façade may also be used to hide or cover one or more conductive paths (or electronic components) that may otherwise be visible (or exposed) in such embodiments.

[0318] In some embodiments, in the first device as described above that comprises a facade, the façade may mask a conductive path. The use of the term "masks" in this context may refer to when the façade conceals or otherwise makes it difficult to view the masked object (in this case, the conductive path or a portion thereof). "Masking" may comprise, for instance, covering all or substantially all of a component (*e.g.* part of the components that comprise a conductive path), or only those components that are exposed or capable be being seen by an observer. As was noted above, the conductive path may comprise any type of conductive material, including by way of example a conductive wire (or other conductive material, such as a conductive compliant material described above) coupled to or embedded within (or substantially within) the lens housing. The façade may be disposed so as to cover the portions of the conductive material that are exposed or would otherwise be visible. For instance, if the conductive path comprises a wire that is attached to the lens housing (*e.g.* on

an external surface), the façade may be disposed so that the conductor is not perceivable by an outside observer of the electronic frame. In some embodiments, particularly in embodiments comprising rimless or semi-rimless frames, it may be preferred that the conductive path comprises a conductive compliant material (*e.g.* conductive rubber), as it may, for instance, be readily disposed within a groove of the lens and/or the lens housing. However, this material may comprise a conspicuous color, shape, and/or appearance. The use of the façade may, in some instances, provide the advantage that this conductive material need not be painted, colored, or otherwise changed to be less conspicuous, and still permit the material to be located on the lens housing in places where, without the use of a façade, it would be apparent to an observer.

[0319] In some embodiments, in the first device as described above comprising a façade, the conductive path may also comprise the lens housing itself (or portions thereof) – *i.e.* the lens housing could comprise a conductive material. The portions of the lens housing that comprise the conductive path may be of a different material than other portions of the lens housing, and this difference in material could be noticeable without an additional concealment process. The façade could be used in such embodiments to mask or cover these non-uniformities, so that the electronic frame appears as a single uniform material and composition.

[0320] In some embodiments, in the first device as described above comprising a façade, and as was noted above, the façade may be coupled to the lens housing utilizing an adhesive material. In general, any adhesive material that may suitably couple the façade to the lens housing may be used, such as for instance double sided tape or a glue epoxy. In some embodiments, in the first device as described above, the facade may be coupled to the lens housing utilizing one or more fasteners such as one or more screws. This type of fastener may be preferred in some embodiments, because the device may be designed so that a wearer (or a person or machine as part of the fabrication process) may readily align the façade properly with the lens housing. That is, the location of the screws on both the lens housing and the façade may be such that, when the screws are inserted properly, the façade is disposed so as to cover a desired portion of the lens housing. This may reduce human error that may be present in the use of adhesives (*e.g.* alignment may not be as precise).

[0321] In some embodiments, in the first device as described above that comprises a façade, the façade may be removably coupled to the lens housing. The term "removably" may refer to embodiments where the façade is coupled to the lens housing so as to permit the

facade to be attached and detached without affecting the structure and function of the lens housing or other components of the electronic frame. For instance, the façade may be coupled to the lens housing using one or more screws such that a wearer (or other entity) may decouple the façade from the lens housing by unscrewing (*e.g.* removing) the screw, and may then recouple the same façade or a different façade by reinserting the screw or screws. However, any suitable means may be utilized. For instance, in some embodiments, the façade and lens housing may be configured such that the façade has a structural portion that connects (*e.g.* may be inserted into a groove or cavity) to the lens housing such that the two components are coupled. The components may be decoupled by applying an appropriate force in a particular direction. For example, the lens housing and the façade may be configured such that façade is pressure fitted to the lens housing.

[0322] Embodiments that comprise a façade that is removably coupled may provide some advantages. For instance, some embodiments may permit different façades to be used for the same base electronic frame. This may permit an electronic frame to provide different styles without requiring the purchase of multiple electronic frames (which could be increase expenses). In addition, the ability to couple and decouple the façade to the lens housing (or other portion of the frame) may permit access to one or more components that are typically covered by the façade. For instance, if the façade covers an electronic component, and that component needs to be removed, replaced, or otherwise interacted with, a removably coupled façade may be removed from the electronic frame to provide such access. In contrast, a device that comprises a façade that is not removably coupled may not provide ready access to such devices, and may cause damage to the electronic frames if the façade is removed.

[0323] In some embodiments, where the façade may be removably coupled to the lens housing, the lens housing may be configured to be coupled to a plurality of facades and each of the plurality of facades may be different. As noted above, this may permit different façades to be matched with different electronic frames, and readily allow for changes in the appearance and style of the device. In addition, in some embodiments, "different facades" may comprise façades that are made of the same materials and have the same appearance, but are separate components. That, is for instance, one façade may be replaced by an identical façade (which may be used, for instance, if the façade breaks or is otherwise damaged).

[0324] In general, the façade and/or the lens housing may comprise any suitable material. For instance, in some embodiments, in the first device as described above, the façade may comprise a metal and the lens housing may comprise a plastic material, such as for instance

acetate. Such embodiments may for instance, permit the majority of the frame to be fabricated using an inexpensive material (either in the cost of the material itself or in the cost of fabricating a frame using the material) such as plastic, while giving the appearance of a more expensive or stylish frame (such as one that is made of a metal). However, embodiments are not so limited and in some embodiments, the façade may comprise a plastic material and the lens housing may comprise a metal. Similarly, in some embodiments, both the lens housing and the façade may comprise a metal material, or both the lens housing and the façade may comprise a plastic material.

[0325] The façade may also have any suitable shape or size. In some embodiments, it may be preferred, that the thickness of the façade is less than approximately 5 mm. In general, it may be desirable that the façade is not readily identifiable as a separate component from the frame. By fabricating the thickness of the façade so as to be relatively thin, this may assist in giving the appearance of a uniform frame, even from various viewing angles. However, it may also be desirable that the façade by structurally strong enough to withstand the typical forces experienced by the lens housing of spectacle frames.

[0326] With reference to Fig. 28, a top view and a front view of an exemplary electronic spectacle **2800** that comprises a façade **2804** is provided. The exemplary electronic spectacle **2800** comprises two temples **2801** that are coupled to the lens housing **2803** by hinges **2806**. The lens housing **2803** is shown as a semi-rimless design (*e.g.* in this example, having eye wire on the top portion of the lens, but comprising nylon along the bottom portion of the lens to hold it in place. The electronic spectacles are also shown as comprising an electronics module **2802** located in one of the temples **2801**. The façade **2804** is shown in this exemplary embodiments as providing the appearance of a full rimmed spectacle frame (that is, eye wire on the around the entirety of the lenses). Indeed, as shown, the façade **2804** covers the front portion of the lens housing **2803** such that there are no portions of the lens housing visible to an observer located in front of the electronic spectacles **2800**. For instance, the façade extends so as to cover both hinges **2806** and lens housing **2803**. The façade also comprises a bridge **2805** portion that extends between the two lenses.

[0327] With reference to Fig. 29, the same exemplary embodiment of electronic spectacles **2800** is shown from a rear view**.** As shown, the lens housing **2803** (shown as the darker portions of electronic spectacle frames **2800**) is again shown as comprising a semi-rimless design. The façade **2804** is shown as covering the lens housing **2803** and also extending between and around the entirety of the lenses. However, as can be seen, the façade **2804** does

not provide structural support to the lenses, as the lenses are held in place by the lens housing **2803** which connected to hinges **2806**. In this exemplary embodiment, the electronic spectacle frames **2800** will provide the appearance of a full rimmed spectacle frame (based on the appearance of the façade **2804**), while comprising a lens housing **2803** that is semi-rimless. As was described above, the façade **2804** may comprise any material and may be coupled to the lens housing **2803** using any suitable means, including those described in detail above.

[0328] It should be understood that, after reading the disclosure provided herein, a person of ordinary skill in the art may understand that various combinations of the devices described above may be made such that some or all of the features described with regards to one device may be combined with some or all of the features of another device.

[0329] Spectacle Lens Frame Electronics

[0330] As noted above, electronic spectacles and frames may comprise any suitable electronic components. That is, for instance, exemplary spectacle frames such those describe above, or any other electronic spectacles such as, for instance, those described in U.S. Pat. Appl. No. 12/684,490, filed January 8, 2010 and entitled "ELECTRO-ACTIVE SPECTACLES AND ASSOCIATED ELECTRONICS" (incorporated by reference herein in its entirety) can comprise electronic components to provide a variety of functions, such as, for example, control of electro-active lenses. Additional exemplary functions (and components to accomplish the functions) are described below.

[0331] These components, whether alone or in some combination, can be built into or otherwise coupled to the spectacle lens frame or lenses and/or be located remotely and be in communication with components on the electronic spectacle frame or lens. Some of the components may be controlled by the wearer. Moreover, each of the components described below may be located on electronic frames that comprise some or all of the features described above. Furthermore, the components (including the electrical components referenced) and descriptions provided herein are exemplary, and many variations and combinations of these features may be included.

[0332] Fall Detector Module:

[0333] A fall detector module may be used by seniors or other individuals to determine if a fall has occurred. These modules may utilize, by way of example, an accelerometer, a gyroscope, or other motion sensor coupled to the electronic spectacles worn by a user. If a

fall is detected, the module can trigger an alarm system in a house, an alarm could be sent to preset phone numbers (*e.g.*, 9-1-1), and/or a message may be sent to one or more e-mail addresses. In some embodiments, electrical components located on the electronic spectacles may also enable a manual signal (such as a call to a preset phone number or e-mail address) with, for example, a finger touch to the temple or the press of a button located somewhere on the electronic spectacles (such as a touch twitch). These manual operations could also thereby serve as an indication that a wearer has suffered a fall or other emergency situation.

[0334] In some embodiments a Fall Detector Module may comprise a small electronic module coupled to, or disposed within, the frame or the lenses of electronic spectacles. The module may be disposed in any suitable location on the electronic frames, and may be coupled thereto in any suitable manner. For instance, the Fall Detector Module may be disposed on the electronic spectacles in the manners described above with regard to the electronics module. Moreover, the components disposed within the fall detector module may be electrically or operationally coupled to one or more components that are disposed outside of the module (such as a power source or transmitter).

[0335] In some embodiments, the Fall Detector Module may include various electrical components. For instance, as noted above the module may comprise a fall sensor to detect that a fall has occurred (*e.g.,* a micro-accelerometer or a micro-gyroscope). The module may also comprise a power source, a controller, and/or a small transmitter. The controller may include a microprocessor that may receive signals from the fall sensor and determine whether a fall has occurred. The controller may also comprise preprogrammed instructions (*e.g.* stored in a memory device) to execute one or more functions so as to provide an alarm or notification service (*e.g.* the controller may be configured to send a signal via a transmitter indicating that a fall has occurred, such as dialing or connection to a phone number such as 9-1-1; sending an email; etc). In some embodiments, a modified cell phone or a number of signal relay devices present in the house (or in any suitable location) can detect the alarm signal from the module, and send a series of emergency information (*e.g.* test message, e-mail, phone call, etc) via an existing network (*e.g.* internet, cell phone, or custom network) to individuals or health care institutes. In some embodiments, the device may utilize an ITO patterned layer (or other transparent or translucent materials) of electro-active lenses as a transmitter (*e.g.* an antenna); however, embodiments are not so limited. For instance, a conductive material may be disposed in the frames (*e.g.* within a portion of the temple) or within the module that may be used to transmit a signal.

[0336] Step Counter and Timer Module:

[0337] In some embodiments, a Step Counter and Timer Module may be include that, for instance, may count the number of steps taken by a wearer (*e.g.* for walker or jogger) over a given period of time. This may be used to determine the distance traveled by a wearer for a set period of time, the wearer's pace (*e.g.* miles-per-hour or average time to complete a mile), and/or any other relevant information. In some embodiments, this information may be displayed to a user via a heads-up display (HUD) in the lenses of the electronic spectacles in real time (e.g. while the wearer is exercising). The Step Counter and Timer Module may also comprise a button (*e.g.* touch switch) that may reset and/or display these results (*e.g.* pertaining to time and distance) on a small LCD housed on the frame or via a HUD.

[0338] In some embodiments, the components of the module may include a motion detection and/or distance detection system to determine the distance travelled by the wearer. This may include, for example, a power source, a sensor, and/or a controller (that may comprise hardware, software, and/or firmware) to count the number of steps taken. The controller may be a simple counter (*e.g.* it may simply count the number of steps taken based on signals received by the sensor) or it may include calibration techniques to adjust the distance measurements to the particular wearer for more accurate measures. The sensor may comprise, by way of example, micro-electromechanical (MEMS) inertial sensors and software that detect steps (in some embodiments, the software may form a part of the controller that receives the signals from the motion sensor). Examples of such sensors may include, for example, a micro-accelerometer and/or a gyroscope that detects either 1-, 2- or 3-axis of acceleration. The sensor may also comprise a vibration detector, which may utilize any suitable method of detecting when a step occurs, such as piezoelectric materials that generate a voltage or a simple mechanical sensor. This information may be sent from the sensor to the controller, which may then determine the number of steps taken.

[0339] In some embodiments, the module may also include a timing mechanism. The timing mechanism may function like a stop-watch, which may be activated by the user in any suitable way (such as via sudden movement of the head, or through the use of a button or switch on the electronic frames). The timer may comprise a portion of the function provided by the controller, or may be a separate component. As noted above, in some embodiments, the module may further include a display system, such an LCD screen or components of a HUD to convey the relevant information to a wearer.

[0340] Drowsiness Detector and Alarm Module:

[0341] In some embodiments, a Drowsiness Detector and Alarm Module may be included on the electronic spectacles. This module may, for instance, be utilized for long distance drivers or individuals that work late shifts to determine their level of alertness and their ability to operate a motor vehicle or other heavy machinery safely. The module may, for example, detect sudden head motion (or any other motion associated with drowsy behavior) and trigger an alarm when the predefined motion is detected.

[0342] In some embodiments, the module may comprise components such as a motion sensor, a controller, an alarm or display, etc. The sensor may, for instance, detect a sudden movement (or other movement associated with drowsiness) and send this information via a signal the controller. The controller can process the data received from the sensor and trigger an audible or visible alarm if it is determined that such action is necessary. The motion sensor may comprise, by way of example, a micro-gyroscope, accelerometer, or any other suitable motion detector. The controller may comprise a micro-processor, hardware, software, and/or firmware to receive and process the information from the sensor and to activate an alarm if necessary. The alarm may, in some embodiments, be included in the electronic spectacle frames or lenses, or could be located remotely. For example, an external alarm may be located on the wearer's person and may vibrate, or an alarm could comprise the wearer's car stereo, etc. In such embodiments, the electronic frames may further include a transmitter to send a signal to the external alarm components to activate the device.

[0343] Timer as Taking Pill Reminder Module:

[0344] In some embodiments, the electronic spectacles may comprise a Timer as Taking Pill Reminder Module (or any other reminder module). The module may, for example, use an audio (for a wearer to hear) or visual (such as an LED or HUD for the wearer or a third-person to see) signal to indicate that it is time for the wearer to take his medication (or to perform any other tasks); however, embodiments are not so limited, and may comprise a timer and an alarm that may be set by a user for any purpose.

[0345] In some embodiments, the Time as Taking Pill Reminder Module may comprise electronic components such as, for example, an electronic timer, controller, a visible or audible alarm, and an input component. The electronic timer (such as an electronic clock) may comprise any suitable components to determine time, date, time lapsed, etc. The controller may comprise a micro-processor, hardware, software, and/or firmware to receive and process the information from the timer and to activate an alarm if necessary. The alarm

may, in some embodiments, be included in the electronic spectacle frames or lenses, or could be located remotely. For example, an external alarm may be located on the wearer's person and may vibrate, or an alarm could comprise sending a signal to another device (such as an email or text message to a cell phone). The input component may enable a wearer to enter time and date information to set a reminder, and may include, by way of example, a keyboard entry component, a voice recognition system – which would require a microphone, etc. The input component may also receive a signal from an external device such as a cell phone, personal computer, laptop, etc. that may be used to program the controller or timer with the information about a reminder. This may utilize any suitable method of transferring date, including a physical interface (such as a USB input), short range communication (*e.g.* Bluetooth®), radio frequency, or other network interface (Wi-Fi, Wi-Max, wireless network, etc). The module may also be capable of storing multiple dates and timers (*e.g.* multiple different medication reminders), and may provide different indications for each reminder.

[0346] UV Light Monitor Module:

[0347] In some embodiments, electronic spectacles may comprise an Ultra Violate (UV) Light Monitor module. This module may, for example, be utilized during outdoor activities to determine the risk to a wearer associated with harmful UV rays and alert the wearer to this risk. In some embodiments, the module may comprise a sensor (that may be disposed the frame or the lenses) that can detector the UV intensity of light. This may include, for example, a photodiode or photocathode. The module may also comprise a controller, which may comprise a micro-processor, hardware, software, and/or firmware to receive and process the information from the sensor and to determine the level of risk associated with exposure to the UV light. The module may further include a display to indicate to the wearer or a third party the current level of UV light and/or the associated risk to the wearer. The display may include an LED indicator or other display (such as an LCD) or a HUD in the lenses of the electronic spectacles to provide this information to a wearer. For example, when UV intensity detected by the sensor passes a certain predetermined limit, a visible or audio indicator (*e.g.*, an LED or audible beeper) may provide a warning signal to the wearer.

[0348] Emergency Wireless Call Module:

[0349] In some embodiments, electronic spectacles may comprise an Emergency Wireless Call Module that may, for example, be utilized by seniors or other individuals to alert authorities as to an emergency. The module may for example utilize a preset phone number, e-mail address, or other device and any communication medium to send out a signal related

to an emergency. The module may include a sensor or input component that may be used to activate the module. For example, the sensor may comprise a touch switch or other push button that may be activated using a finger touch to the temple of the electronic spectacles. The module may include or be combined with a GPS or other position locator to identify the location of the individual and/or the emergency. This location information may be sent along with the emergency message to enable a more rapid response to the emergency. Embodiments may also provide the ability to communication (*e.g.* verbally) through the module to an emergency responder or third party.

[0350] The Emergency Wireless Call Module may comprise any suitable electronic components such as a sensor, a controller, and/or a transmitter. The transmitter may comprise any suitable components to provide a signal processing path for connecting to an outside network, such as those described with reference to the fall detector module, or any other suitable components. These may comprise an antenna that may be disposed in the frame (*e.g.* a temple), in the lens, and/or within the module. The controller may comprise a microprocessor, software, hardware, and/or firmware that may receive a signal from the sensor, connect to a network, and send an emergency message (or otherwise facilitate the communication between the wearer and a third party).

[0351] Directional Hearing Aids Module:

[0352] In some embodiments, the electronic spectacles may include a Directional Hearing Aid Module that may be utilized to enhance the hearing of the wearer. The module may comprise, for instance, hearing aids or other auditory assistance devices coupled to the electronic frame. As used herein, a hearing aid may refer to any electro-acoustic device that typically fits in or behind the wearer's ear, and is designed to amplify and/or modulate sound for the wearer. Any suitable hearing aid that may be disposed within, or coupled to, the electronic spectacles may be used. The hearing aid may include an internal power source, or the hearing aid may be connected to a power source disposed on, or within, the electronic spectacles. In some embodiments, the electronic spectacles may comprise multiple hearings aids. Each hearing aid may be powered by a separate power source or by a single power source (*e.g.* using a conductive path across the lens housing).

[0353] Pulse and Partial Oxygen Concentration (PO2) Monitor Module:

[0354] In some embodiments, the electronic spectacles may comprise a Pulse and Partial Oxygen Concentration (PO2) Monitor Module that may, for example, comprise a small electro-optical sensor or acoustic sensor that can be placed at the area near the ear of the user,

or other suitable location to detect hear rate and other vital signs. In some embodiments, the module may comprise a receiver that receives signals from a device that may be located on the wearer's body (such as a strap across the wearer's chest), where the device or component monitors the pulse rate and sends this information to a controller disposed within the module for recording and/or analysis. This information may then be displayed to a wearer (*e.g.* via a HUD or LCD display).

[0355] In some embodiments, the module may further comprise an electro-optical sensor (or other similar device) that may be capable of measuring the blood oxygen level of the wearer using, for instance, pulse oximetry. This may comprise an external component that may extend from the electronic spectacles to the wearer's ear that may be in communication with one or more components on the electronic spectacle frames (such as a controller). That is, for instance, a sensor may be disposed in a location such that light having certain wavelengths may be passed sequentially through the wearer (*e.g.* the wearer's ear) and received by a photo detector. The difference in the absorbance of light of different wavelengths may then be measured, enabling the determination of the absorbance due to the pulsing arterial blood alone (excluding other factors such as venous blood, skin, bone, muscle, fat, and etc). This information may be sent to a controller or similar device, which may then determine the amount of the oxygen in the blood.

[0356] The Pulse and Partial Oxygen Concentration (PO2) Monitor Module may also comprise components for displaying the results of the vital statistics that were measured, such an LCD display or a HUD in the lenses. The module may also comprise an alarm, and the controller may be configured to trigger the alarm if abnormal readings are found. In some embodiments, components (such as those described above with regard to the Fall Detector Module) for alerting emergency services or other individuals may also be utilized.

[0357] RFID Monitor Module:

[0358] In some embodiments, the electronic spectacles may include a radio frequency identification (RFID) Monitor (or other near field communication device such as Bluetooth®, contactless interfaces, etc.). This module may comprise, for example, an antenna that may be embedded in the lenses or elsewhere in the frame (*e.g.* in one of the temples). The module may be coupled to the frame, such disposed within a portion of the frame (which may contain other electronics, including an electronics module). The RFID Monitor Module may be utilized to send and/or receive information from components or devices that may otherwise

not be coupled to the electronics disposed on the electronic spectacles and thus may be utilized in combination with some of the embodiments described above.

[0359] In some embodiments, the "working mode" for the module can be passive or active. For example, in passive mode, the module may not require its own power source, but may utilize a magnetic or electric field generated by another device to activate and thereby send or receive information. The RFID Monitor Module may include a microprocessor and/or memory storage device coupled to the antenna. The module may be used for any suitable purpose, such as for security (*e.g.* it may comprise encrypted information that may be used to access a location or files on a computer), to make payments (*e.g.* the microprocessor and memory device may comprise payment account information that may be sent to a point-of-sale terminal to complete a financial transaction), to identify individuals, etc. The module may also be used by a locator (*e.g.* it may be scanned by a device that can identify the individual, thereby identifying the individual as being at the location where the scanner is located).

[0360] Flash Memory Card Module:

[0361] In some embodiments, the electronic spectacles may include a Flash Memory Module that may be utilized to store and transport information. For example, a personal computer or other communication device may read or write to the module contained in the electronics spectacles, such as within one of the temples. In some embodiments, the Flash Memory Module, and the memory device stored therein, may be coupled to an RFID Monitor Module or other communication device so as to send and receive data, or there could be a physical interface to the module. That is, for instance, in some embodiments, the information may be transferred to or from the memory device wirelessly or through a physical interface (such as a USB port). The Flash Memory Module may also comprise a power source and/or a controller.

[0362] Digital Watch and Alarm Module:

[0363] In some embodiments, the electronic spectacles may include a Digital Watch and Alarm Module that may maintain the current time and alert an individual when particular time occurs. This module may comprise similar components as those that were described above with reference to the Timer as Taking Pill Reminder Module, including an electronic clock, power source, controller, input device (for setting times for an alarm), alarm system (or other visual or audio alerts), etc. The module may also comprise a display (such as an LCD display or a HUD) or even an audio indication that may provide the time to the wearer. For

example, this module may comprise a press button or other touch switch that a wearer may interact with such that a signal is sent to a controller in the module to display the time.

[0364] Electronic Eyewear Repairing Kits:

[0365] In some embodiments, the electronic spectacles may comprise a module that may include tools that may be used for immediate eyeglass repair and maintenance. This module may, for instance, store components such as conductive rubber strips, a conductive glue dispenser, screws, screw driver, etc. The Electronic Eyewear Repairing Kits may be a physically separable module that may be inserted into a cavity or opening of the eyeglass frames, or could be a component that could be coupled to the outer surface of the electronic frames. In some embodiments, the module may be permanently coupled to the electronic spectacles, and the tools and components may be inserted and removed as needed.

[0366] Voice Recorder Module:

[0367] In some embodiments, an electronic spectacle frame may include a Voice Recorder Module. This may be used, for instance, to record audio messages from the wearer, to dictate correspondences and letters for the wearer, or to record audio noises that the wearer is hearing (such as recording a speech or a lecture). This may comprise, for instance, a sensor (such as a push button or touch switch) that may activate the voice recording function. The module may further include a microphone, power source, data storage device, speaker or audio output (for the wearer to hear the recorded audio data), and or a transmitter for sending the audio data to another device. In some embodiments, the voice recorder module (or the storage component therein) may be read by a wireless reader and played on a speaker, or any other suitable playback mode. That is, for example, the Voice Recorded Module may be coupled to a RFID Monitor Module, or comprise similar components (such as a physical interface) for transferring the information stored therein.

[0368] Battery Pack:

[0369] In some embodiments, electronic spectacles may include an extra battery pack. The extra power source may be stored, for instance, as a backup power for a lens driving module or any other electronic component. The battery pack may be stored within the electronic frames (*e.g.* within a component or module of a temple or the lens housing) or may be coupled to an outer surface using any suitable means.

[0370] Spy video or still picture recorder:

[0371] In some embodiments, the electronic spectacles may comprise a recording device such as a miniature video camera (*e.g.*, a pin hole camera) or still picture recorder (*e.g.* a camera) and associated equipment. This module and components may be utilized, for instance, to record visual images without outside observers being aware of the recording device. The spy video or still picture recorder may be coupled to a power source (*e.g.* a battery), a controller, a sensor, and/or a data storage device. The controller may be coupled to the sensor, such that the wearer may activate or deactivate the recording device based on an interaction with the sensor (*e.g.* a touch switch or a device such as a micro-accelerometer that may detect a sudden movement of the wearer's head). The sensor may send a signal to the controller, which may then determine whether to activate the recording device. The data storage device may comprise any suitable component, such as RAM or Flash memory. This data stored in the storage device may be retrieved from the electronic spectacles using any of the suitable methods described herein. For example, in some embodiments there may be a physical interface to the storage device (which may, in some embodiments, comprise a part of the recording device) or the electronic spectacles could wireless transfer the data (including in real time) to a receiving device using an antenna, short range communications, or similar method.

[0372] Thermometer

[0373] In some embodiments, the electronic spectacles may comprise a digital thermometer that may measure and display the temperature of the surrounding environment (*e.g.* ambient temperature). That is, for instance, the electronic spectacles may comprise a variable resistor or other device that may have a variable voltage drop based on the temperature of the device (which can therefore be monitored to determine a corresponding temperature). However, embodiments are not so limited, and any suitable electronic thermometer may be used. The thermometer may be electrically coupled to a display and/or a sensor, such that the wearer may interact with the sensor and thereby request that the display show the current temperature. The display may, for example, comprise a LCD display or a HUD.

[0374] Remote Controller

[0375] In some embodiments, the electronic spectacles may include a controller for other devices (*e.g.* a garage door, a car, a TV, etc). For example, the electronic spectacles may comprise the components of a typical remote control device, such as a controller, a sensor, a storage device, and a transmitter (such as an antenna or infrared device). The storage device

may contain information on the instructions, protocols, codes, and transmission/reception standards for activating or controlling a device that is not otherwise coupled to the electronic spectacles. The sensor (or other input components) may be configured to receive a command from a wearer, and signal to the controller to convey instructions or information to the remote device. For example, a sensor that may be disposed on the side of the temple of spectacles may be touched or pressed using certain predefined finger moves to indicate different desired functionality – which may very convenient for seniors. The controller may then utilize the predefined functions and corresponding instructions stored in a memory device to identify instructions to send to the remote device corresponding to a desired function requested by the wearer. The controller may then utilize the transmitter to send this information wirelessly to the remote device.

[0376] Data Collection Unit

[0377] In some embodiments, electronic spectacles may include a Data Collection Unit that may be used by a wearer to record information about the wearer, the wearer's surrounding, or an other suitable information. For example, in some embodiments, data that can be collected may include the on and off angles when the eyeglass are controlled manually, the time interval between two sequential battery charges, the wearer's behavior or physical state (such as daily calorie burning rate, real time pulse, skin moisture, daily UV exposure), etc. The Data Collection Unit may comprise one or more sensors, a controller, and/or a storage device for receiving and storing relevant data, or it may be operatively coupled to any of the components in described with respect to the modules above. The data that is collected may be wirelessly transferred to a device (*e.g.* using an antenna and connecting to a network such as a mobile device network) with high computation power in-real time, or stored in the memory residing in the module and transferred after data collection (*e.g.* using an RFID module or physical interface). The receiving device may for instance use artificial intelligence to analyze the data for specific applications, such as to train the software to reset the personalized control parameter, or provide recommendations for wearer's daily activity.

[0378] In some embodiments, the data collection unit may be a unit separate from the frame/lens electronics that can be used to capture data stored in the electronic frames. For example, data stored in RAM included in the lens electronics can be relayed to a remote unit for analysis. Data may be relayed via a wireless or wired link (including e.g. infrared or radio frequency). In some embodiments, data may be stored in local storage disposed within the

frame electronics for long periods of time and then collected (or transferred) periodically or, as noted above, there may be instantaneous data collection in some instances.

[0379] Embodiments Comprising a Moisture Barrier

[0380] For some embodiments comprising electronic frames that may include one or more electrical connections between an electronic component (or components) that may be disposed on the electronic frames and one or more electro-active lenses that may be coupled to a lens housing, the inventors have found that one issue that may arise in some instances is that moisture may affect the conductive path between these components. That is, moisture may affect the electrical contacts between the electrical components disposed in the electro-active lens and the electrical components disposed outside of the lens. The moisture may create inconsistent performance of the electro-active lenses and/or result in one or more failed connections between the components (*i.e.* the electrical path may be severed such that current cannot flow between the components). The inventors have found this to be particularly prevalent for the electrical connections that are formed around the periphery of the electro-active lens.

[0381] The moisture may contact the conductive paths between the electronic components on the electronic frames and the electronic components disposed in the electro-active lenses based on, for example, openings that may exist from the manufacturing process (*e.g.* the connection may not be fully sealed to the outside environment) or even from degradation of the components during use (which may create gaps or otherwise expose the electrical connections between the components). Indeed, the inventors have found that salt (which may contact the lens from a wearer's skin or perspiration) may degrade the components of the electronic spectacles (such as the lenses) and thereby create openings and/or otherwise expose and degrade the conductive paths.

[0382] In some embodiments, a first device, may be provided. A first device may include a lens comprising at least a first electrical contact, a lens housing holding the lens, where the lens housing comprises at least a second electrical contact, and a conductive element disposed between the first and the second electrical contact, wherein the conductive element electrically connects the first and second electrical contacts. The first device may further comprise a barrier layer that is disposed so as to cover at least a portion of the conductive material. The "barrier layer" may be disposed so as to cover the conductor (or a portion thereof) at or near the periphery of the lens such that it may not be exposed to the external environment. As noted above, the inventors have found that the location between the electro-

active lenses and the lens housing typically tends to be where the conductors are exposed to the external environment. The barrier layer may be moisture resistant, such that it may prevent moisture from contacting the electrical connections. In some embodiments, the barrier layer of moisture resistant material may comprise a polymer substance.

[0383] In some embodiments, the barrier layer may be applied or disposed in areas of the electronic spectacles between two components (such as between the lens housing and the electro-active lenses). In some embodiments, these components of the electronic spectacles may be coupled in advance, and the barrier layer may be applied in a later process (*e.g.* as part of a finishing or sealing process after the electrical connections have been formed). This may be preferred because, for instance, the barrier layer may function to prevent the electrical connection at the interface between the components from being exposed to the external environment. Thus, in some embodiments, once the barrier layer is set, access to this interface may be limited. However, embodiments are not so limited, and the barrier layer may be applied at any suitable time.

[0384] The inventors have found that in some embodiments it may be preferred that the barrier layer may comprise a material that has a viscosity that is thin enough such that it may be applied or injected into the areas between the components of the electronic spectacles. As noted above, in some embodiments the barrier layer may be applied to prevent or limit contact with moisture (*e.g.* water) and, therefore, it may be preferred that the viscosity of the barrier layer material be comparable to water. In this manner, the barrier layer may be applied to (and thereby disposed in) the same areas that would otherwise be accessible to this moisture. In some embodiments, where the barrier layer may comprise a polymer material (such as a two component epoxy), after the barrier layer has been applied to the electronic spectacles, it may be cured to set the material in place. In general, the barrier layer may be cured using any suitable process, such as visible light curing, ultra-violet curing, and/or thermal curing. In some embodiments, where thermal curing is used, the material of the barrier layer may be chosen such that it may be cured at a low enough temperature that the other components of the electronic spectacles (*e.g.* the lenses, lens housing, and/or electronics) are not affected by the increase in temperature.

[0385] The inventors have also found that, in some embodiments, it may be preferred that the material that comprises the barrier layer be flexible and/or soft enough such that it does not damage (or damage other components, such as the lens) when experiencing the typical forces of daily use. For instance, when the barrier layer is disposed in the area between the

lens housing and the lens component, there may be forces applied to either one of, or both of these components in various directions. If the barrier layer is too rigid, this force may be applied to the lens, which could cause chipping or cracking. This may result, for example, in exposure of the electrical contacts, damage to the lens, and/or one or more components could be decoupled.

[0386] An exemplary embodiment that comprises a barrier layer applied to electronic spectacles so as to prevent or limit exposure of the electrical contacts between a lens and a lens housing to the outside environment (including to moisture) is shown in Fig. 30. The electronic spectacles comprise a lens housing **3001**, a conductor **3002** (in this case, shown as a compliant conductive material), conductive paint **3003** that forms a part of an electrical path to one or more electrical components of the lens **3004**, and a barrier layer **3005**. As shown in Fig. 30, in some instances a space or area may exist between the lens housing **3001** and the lens **3004** shown as air gap **3006**. As noted above, this may be created during the manufacturing process (*e.g.* the lens housing **3001** and a portion of the lens **3004** do not fit tightly so as to seal the components there between from exposure to the outside environment) and/or may develop through use of the spectacles. On the opposite side of the air gap **3006** shown in Fig. 30 is a barrier layer **3005** that has been disposed so as to insulate the conductor **3002** from the external environment. The barrier layer **3005** is shown as disposed within the area between the lens housing **3001** and the lens **3004**. As noted above, the barrier layer **3005** could have been injected into this region between these components, and may have been cured thereto so as to be coupled to the lens housing **3001** and/or the electro-active lens **3004**.

[0387] Combination of Elements

[0388] Although many embodiments were described above as comprising different features and/or combination of features, a person of ordinary skill in the art after reading this disclosure may understand that in some instances, one or more of these components could be combined with any of the components or features described above. For instance, embodiments of electronic frames that comprise a spring hinge may also comprise any one of, or some combination of (1) a compliant conductive material; (2) a façade; (3) a housing module that is coupled to an electronics module; and/or (4) one or more electronics modules (and/or a conductive path form one electronics module to one or both electro-active lenses): Similarly, embodiments that comprise a compliant conductive material may also comprise any one of, or some combination of: (1) a façade; (2) a housing module that is coupled to an

electronics module; and/or (3) one or more electronics modules (and/or a conductive path form one electronics module to one or both electro-active lenses). Similarly, embodiments that comprise a façade may also comprise any one of, or some combination of: (1) a housing module that is coupled to an electronics module; and/or (2) one or more electronics modules (and or/a conductive path form one electronics module to one or both electro-active lenses). Similarly, embodiments that comprise a housing module that is coupled to an electronics module may also comprise one or more electronics modules (and/or a conductive path form one electronics module to one or both electro-active lenses). Moreover, the exemplary features and aspects of any of the above embodiments may also be used in any suitable combination, as would be understood by one of ordinary skill in the art after reading this disclosure.

[0389] The above description is illustrative and is not restrictive. Many variations of the invention will become apparent to those skilled in the art upon review of the disclosure. The scope of the invention should, therefore, be determined not with reference to the above description, but instead should be determined with reference to the pending claims along with their full scope or equivalents.

[0390] A recitation of "a", "an" or "the" is intended to mean "one or more" unless specifically indicated to the contrary

[0391] All publications mentioned herein are incorporated herein by reference to disclose and describe the methods and/or materials in connection with which the publications are cited. The publications discussed herein are provided solely for their disclosure prior to the filing date of the present application. Nothing herein is to be construed as an admission that the present invention is not entitled to antedate such publication by virtue of prior invention. Further, the dates of publication provided may be different from the actual publication dates, which may need to be independently confirmed.

WHAT IS CLAIMED IS:

1. A first device, comprising:

a frame comprising a first temple and a second temple, wherein the frame comprises a housing module coupled to a structural member;

a first lens and a second lens coupled to the frame; and

an electronics module, wherein the electronics module is located within the housing module; and wherein the electronics module comprises at least any two of:

a power source;

a controller; and

a sensing mechanism.

2. The first device of claim 1, wherein an insulating layer is disposed between one or more electronic components located within the electronics module and the frame of the first device.

3. The first device of claim 2, wherein the housing module comprises the insulating layer.

4. The first device of claim 3, wherein the electronics module comprises a conductive material.

5. The first device of claim 2,

wherein the housing module comprises a conductive material; and

wherein the insulating layer is disposed between at least a portion of the housing module and the electronics module.

6. The first device of claim 2, wherein the insulating layer comprises a portion of the electronics module.

7. The first device of claim 6, wherein the housing module comprises a conductive material.

8. The first device of claim 1, wherein the electronics module is removably coupled to the housing module.

9. The first device of claim 8, wherein the electronics module is adapted to be removed and recoupled to the housing module.

10. The first device of claim 1,

wherein the housing module comprises a first end, a second end, and a body disposed between the first end and the second end;

wherein the first end comprises an opening; and

wherein the electronics module is configured to be inserted into the opening.

11. The first device of claim 10, wherein the electronics module is pressure fitted to the housing module.

12. The first device of claim 10, wherein the electronics module is located within the body of the housing module.

13. The first device of claim 10, wherein the housing module comprises nylon or carbon fiber.

14. The first device of claim 1,

wherein the structural member comprises a cavity in the first temple; and

wherein the housing module is configured to be selectively placed within the cavity.

15. The first device of claim 14, wherein the housing module is coupled to the first temple using at least any one of: a screw or a two face adhesive tape.

16. The first device of claim 14, wherein the housing module may be selectively removed.

17. The first device of claim 14, wherein the housing module is pressure fitted to the cavity in the first temple.

18. The first device of claim 1,

wherein the first lens is electrically connected to the electronics module;

wherein the controller is configured to generate a time varying signal to supply to the first lens from the power source; and

wherein the sensing mechanism is configured to provide an input to the controller for determining when to supply the time varying signal to the first lens.

19. The first device of claim 1, wherein the power source comprises a battery.

20. The first device of claim 1, wherein the controller comprises firmware.

21. The first device of claim 1, wherein the controller comprises a voltage multiplier.

22. The first device of claim 1, wherein the controller is configured to provide at least one of: a zero DC biased sine wave or a zero DC biased square wave to the first lens.

23. The first device of claim 1, wherein the housing module further comprises an aperture disposed on an outer side of the housing module.

24. The first device of claim 23, wherein the aperture has an area that is approximately within the range of $1cm^2$ to $5cm^2$.

25. The first device of claim 23, wherein sensing mechanism comprises a touch sensitive switch exposed substantially through the aperture.

26. The first device of claim 25, wherein the touch sensitive switch is a capacitance switch.

27. The first device of claim 1, wherein the structural member comprises the first temple.

28. The first device of claim 27, wherein the first temple comprises a first portion and second portion, wherein the first portion is located closer to the first lens than the

second portion, and wherein the housing module is coupled to the first portion of the first temple.

29. The first device of claim 27, wherein the first temple comprises a first portion and second portion, and wherein the housing module comprises the first portion of the first temple.

30. The first device of claim 1, wherein the housing module comprises a conductive material.

31. The first device of claim 1, wherein the housing module comprises non-conductive material.

32. The first device of claim 1, wherein the electronics module comprises non-conductive material.

33. The first device of claim 1, wherein the electronics module comprises a conductive material.

34. The first device of claim 31, wherein the structural member comprises any one of plastic or nylon.

35. The first device of claim 31, wherein the structural member comprises acetate.

36. The first device of claim 31, wherein the structural member comprises conductive material, and wherein the housing module electrically isolates the electronics module from the structural member.

37. The first device of claim 36, wherein the structural member comprises metal.

38. The first device of claim 31, further comprising:
a first lens comprising a first electrical contact;

a conductive path in electrical contact with the first electrical contract of the first lens;

wherein the electronics module has a first electrical contact; and

wherein the conductive path is in electrical contact with the first electrical contact of the electronics module.

39. The first device of claim 38, wherein the conductive path comprises pogo pins.

40. The first device of claim 39, wherein the conductive path comprises a compliant conductive element.

41. The first device of claim 1, wherein the housing module has a thickness that is less than or equal to approximately .7 mm.

42. A method of fabricating a device,

wherein the device comprises

a frame having a first temple and second temple; and

a housing module comprising:

a first end and a second end, wherein the first end comprises an opening; and

a body disposed between the first and second end, wherein the body comprises a cavity;

wherein the method comprises inserting an electronics module into the opening of the first end of the housing module such that the electronics module is disposed in the cavity of the body of the housing module.

43. The first device of claim 42, wherein the method further comprises removing a first electronics module from the cavity through the opening of the first end of housing module; and

inserting a second electronics module into the opening of the first end of the housing module such that the second housing module is disposed in the cavity of the housing module.

44. The first device of claim 43, wherein the first electronics module and the second electronics module are the same electronics module.

45. The first device of claim 43, wherein the first electronics module and the second electronics module are different electronics module.

46. A method of fabricating a device comprising a frame having a first temple and second temple, wherein the first temple comprises:

a first end;

a second end,

a body disposed between the first and second end; and

a cavity disposed within the body;

wherein the first end comprises an opening, and

wherein the method comprises:

inserting an electronics module into a housing module;

inserting the housing module into the opening of the temple such that the housing module is disposed in the cavity of the first temple.

47. A first device, comprising:

a lens comprising at least a first electrical contact;

a lens housing holding the lens, wherein the lens housing comprises at least a second electrical contact;

a conductive material disposed between the first and the second electrical contact, wherein the conductive material electrically connects the first and second electrical contacts; and

a barrier layer that is disposed so as to cover at least a portion of the conductive material.

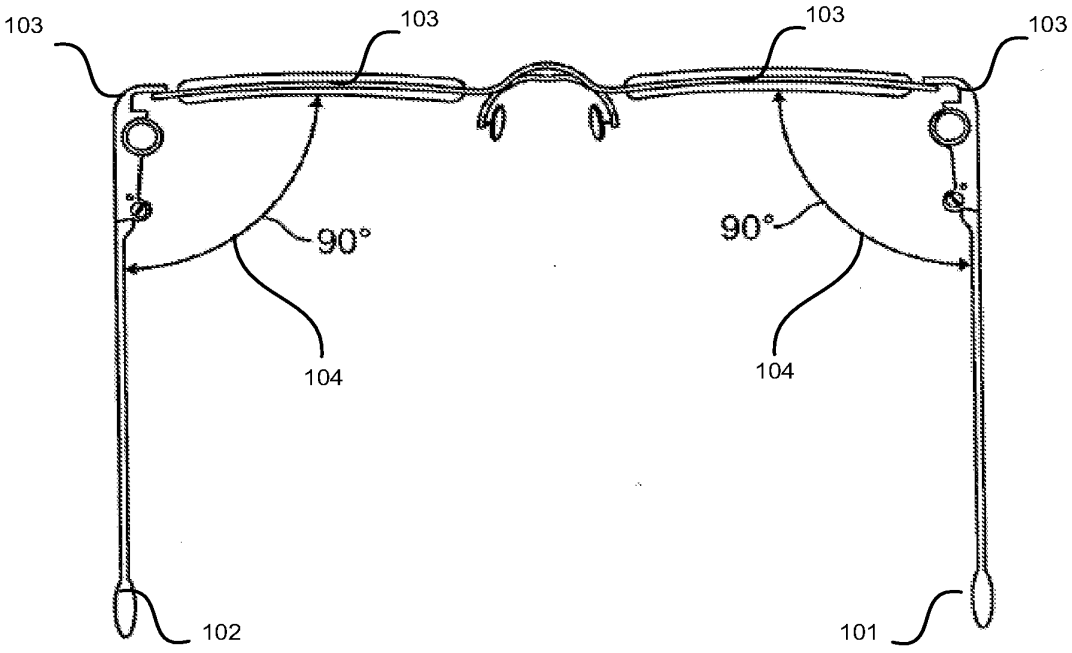


FIG. 1

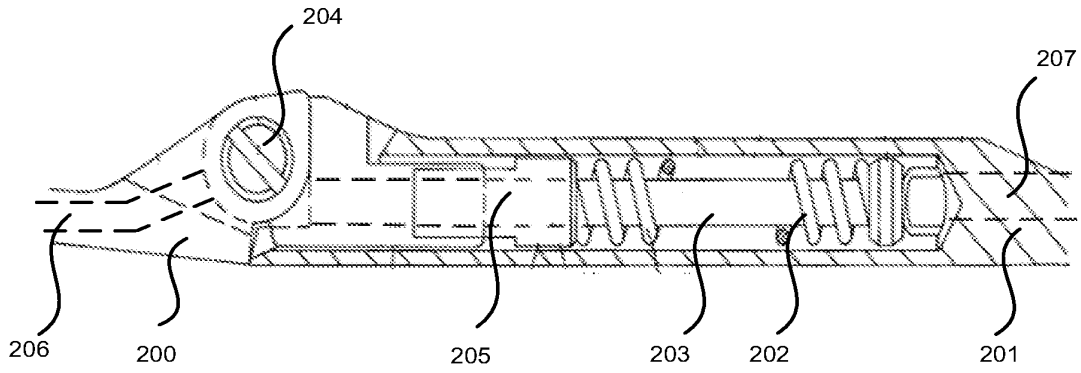


FIG. 2(a)

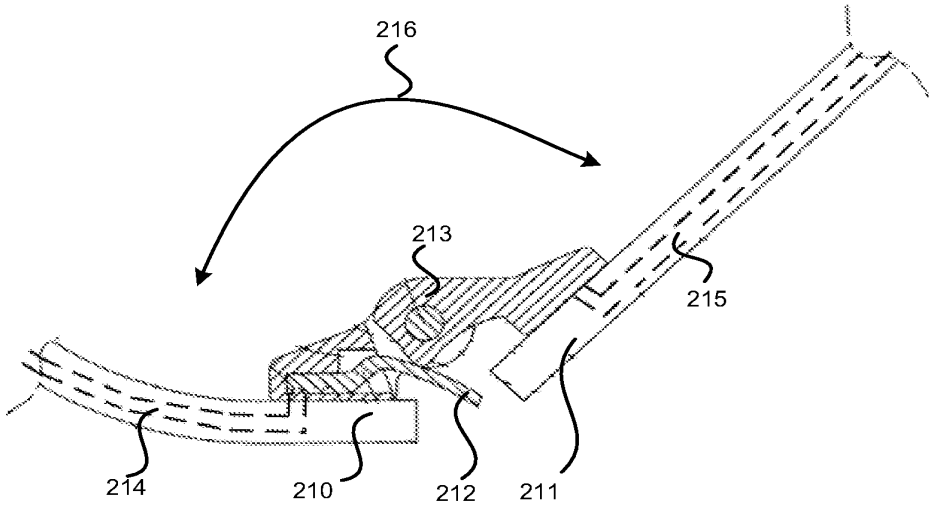


FIG. 2(b)

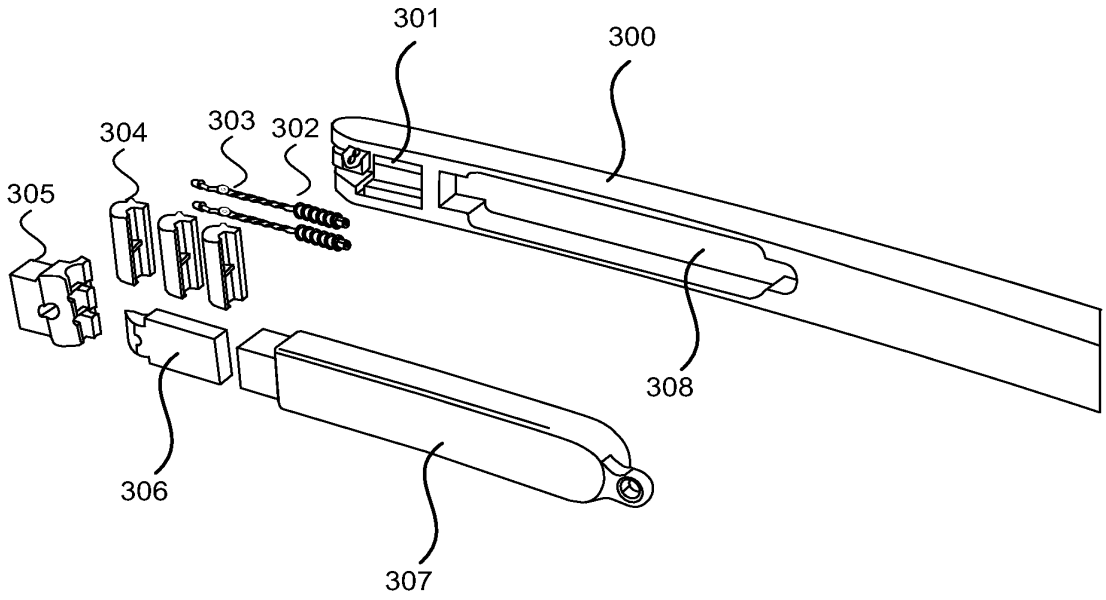


FIG. 3

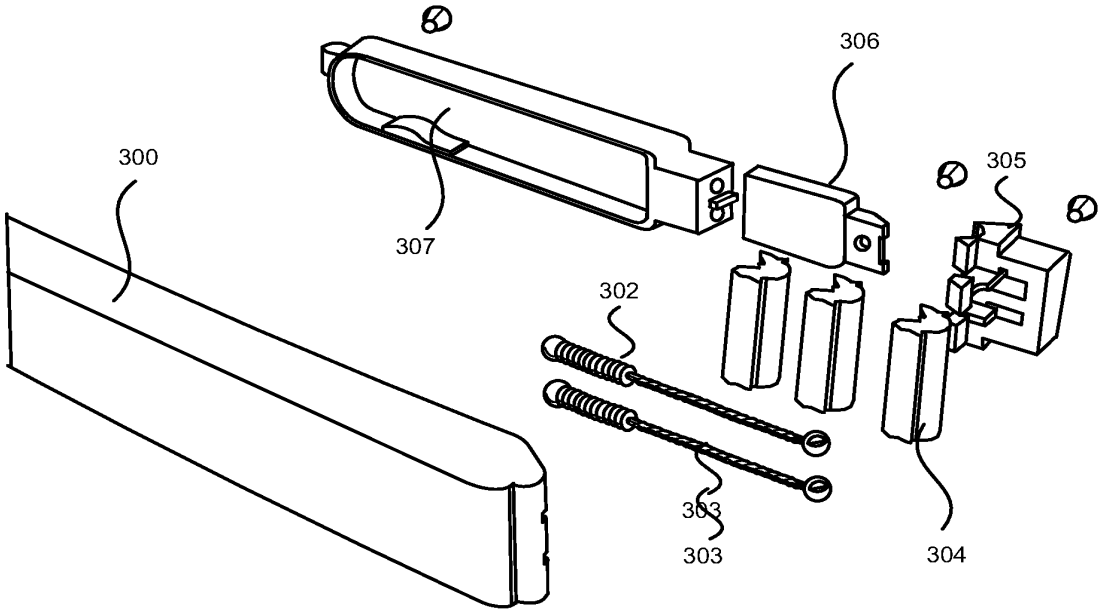


FIG. 4

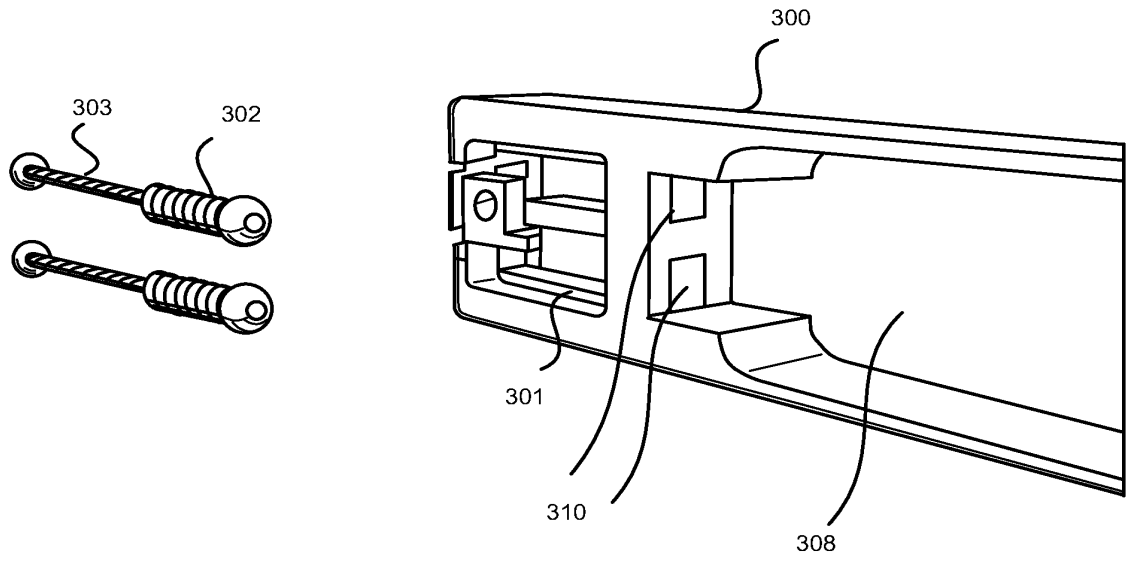


FIG. 5

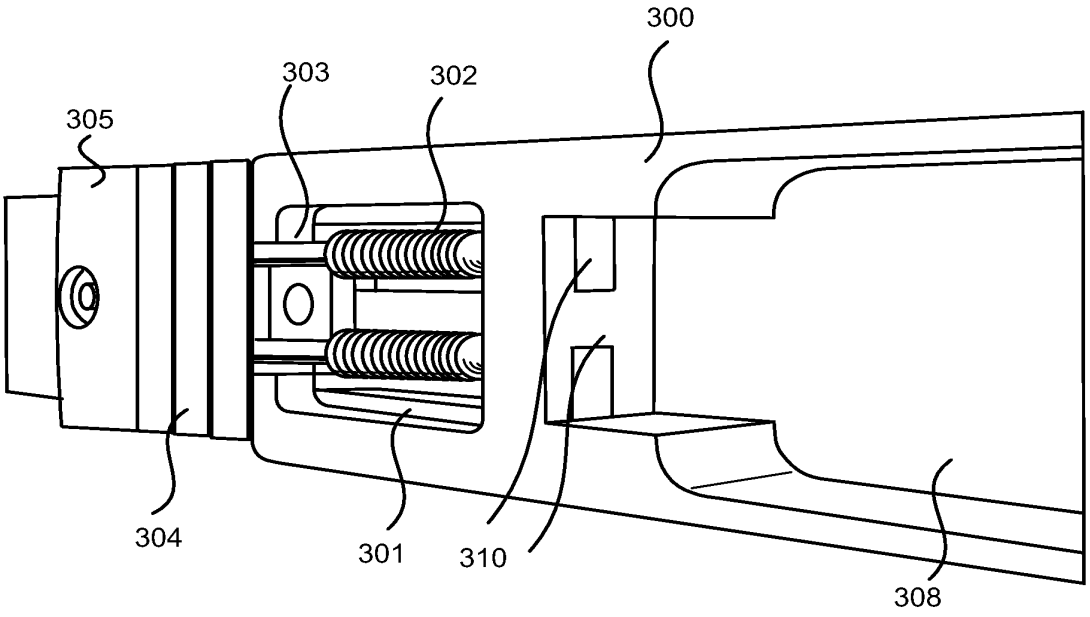


FIG. 6

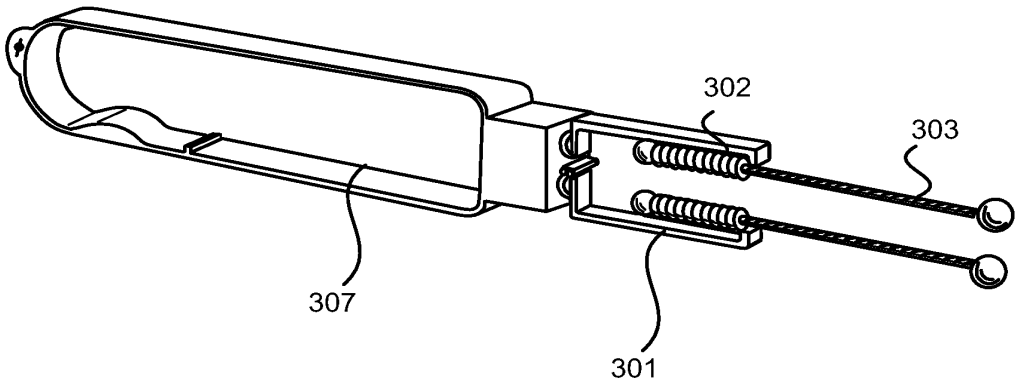


FIG. 7

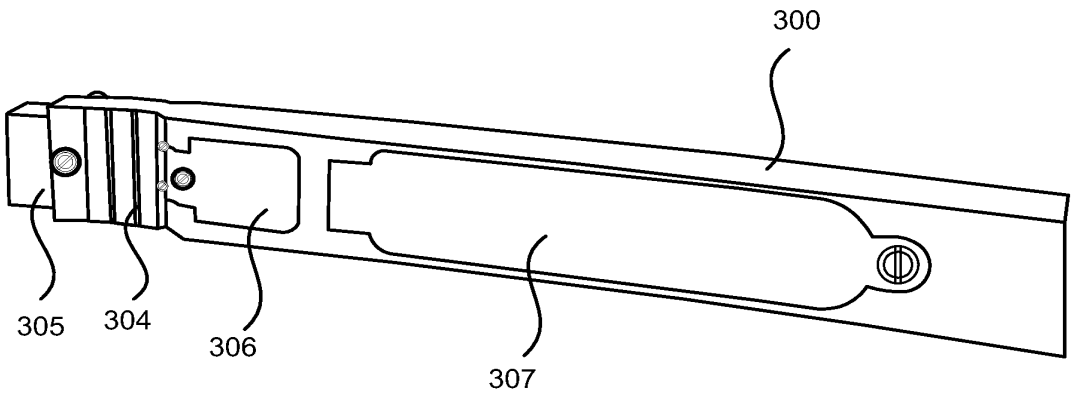


FIG. 8

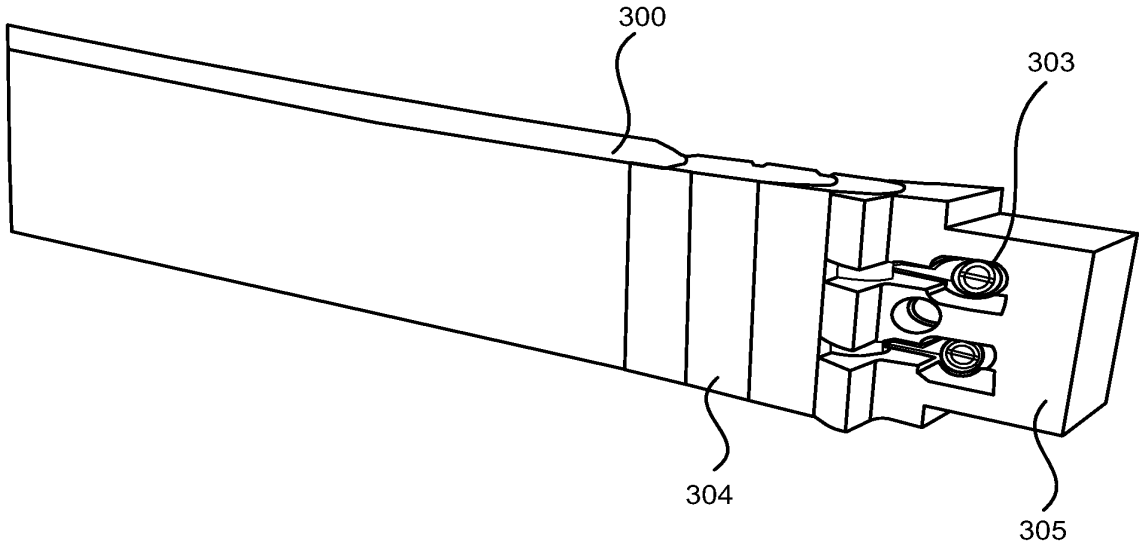


FIG. 9

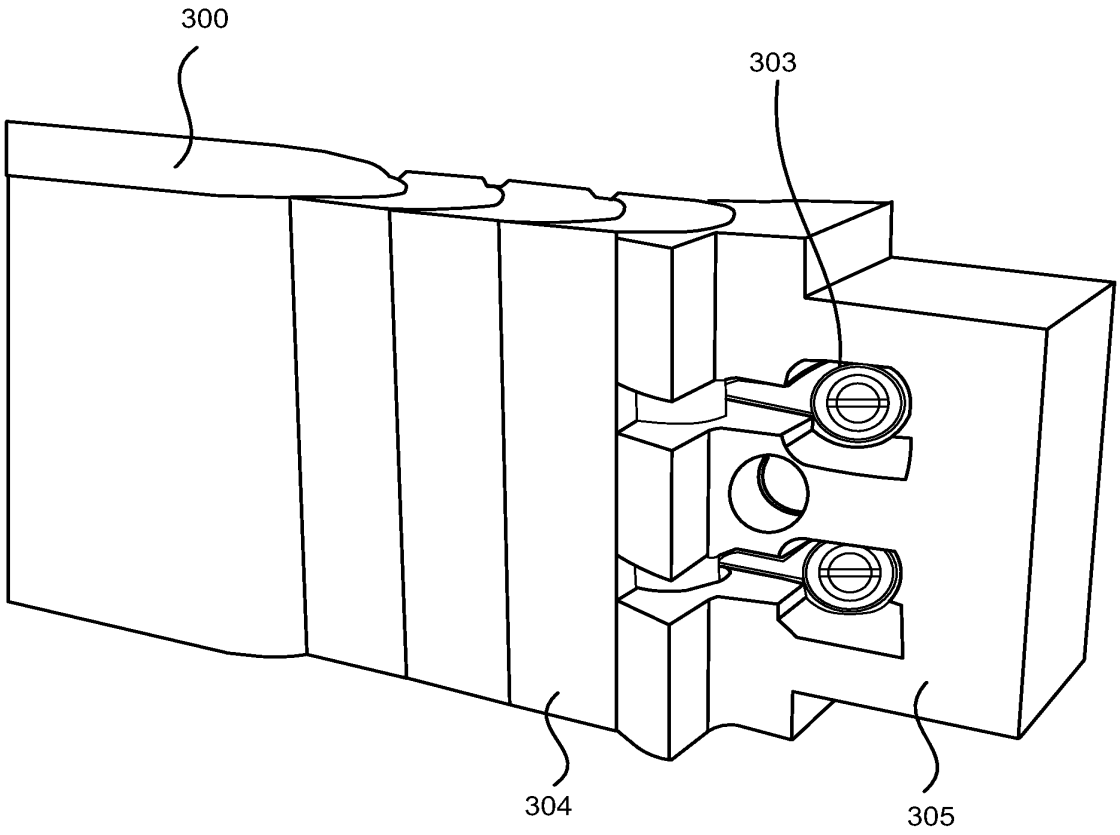


FIG. 10

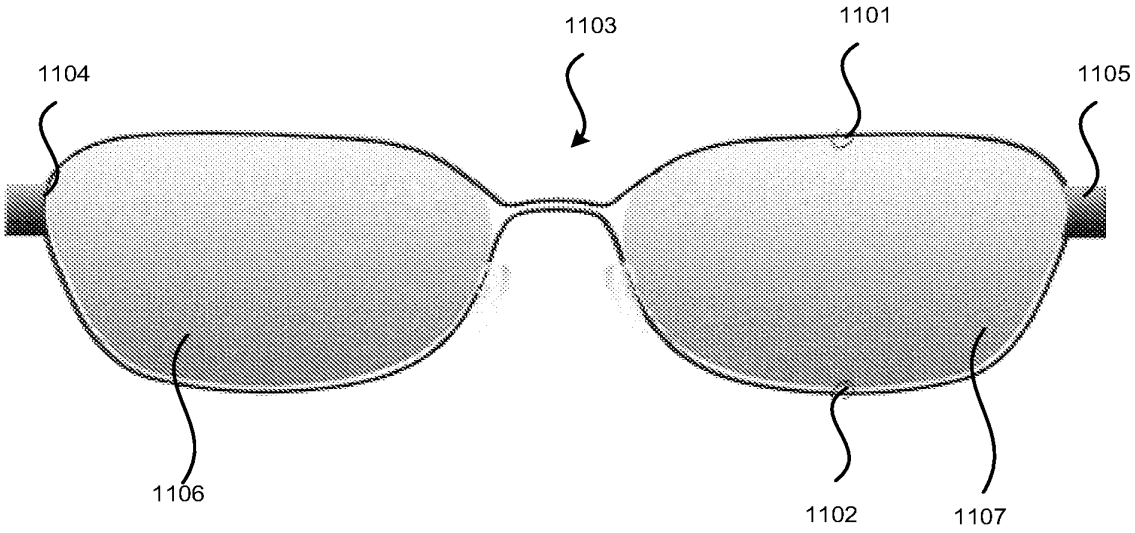


FIG. 11

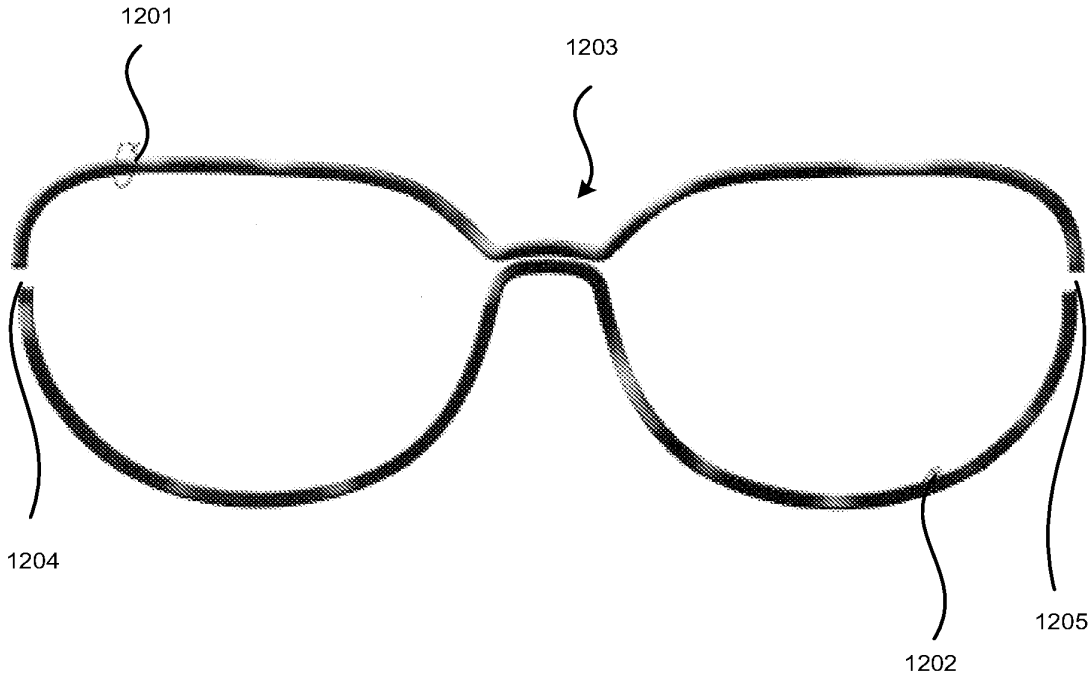


FIG. 12

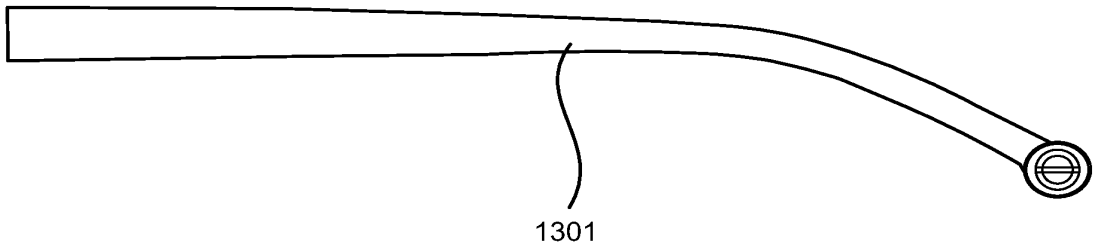


FIG. 13

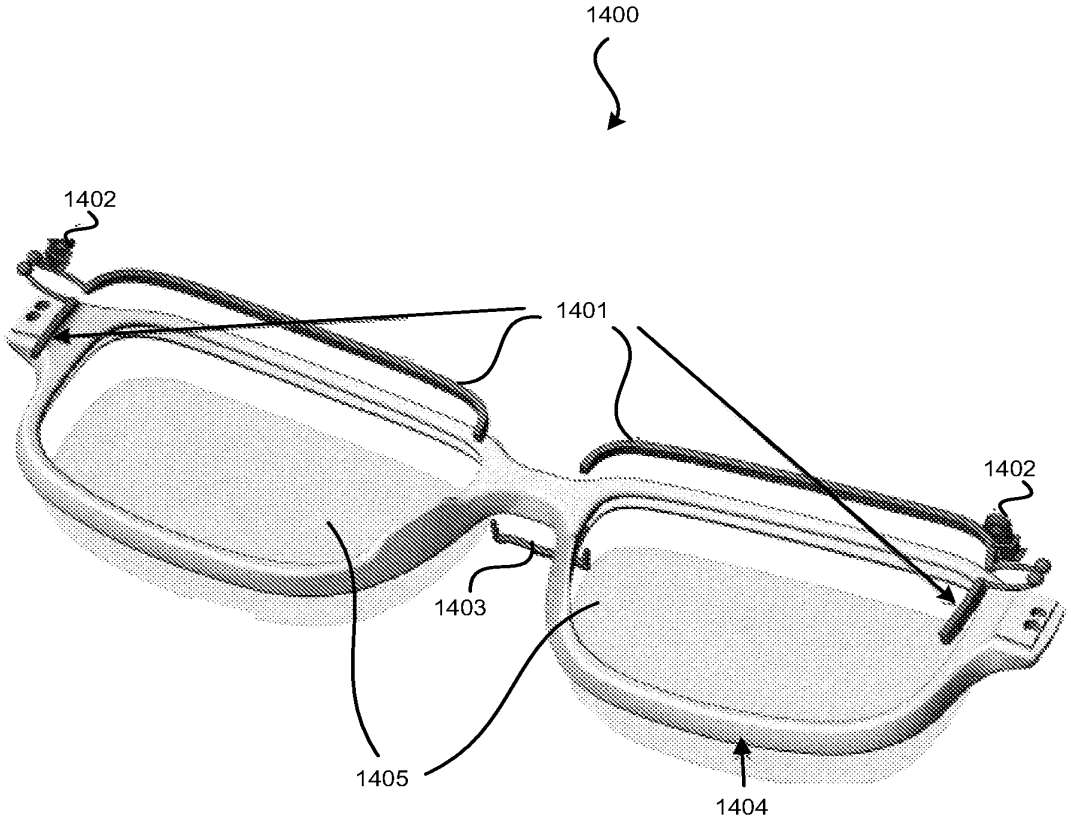


FIG. 14

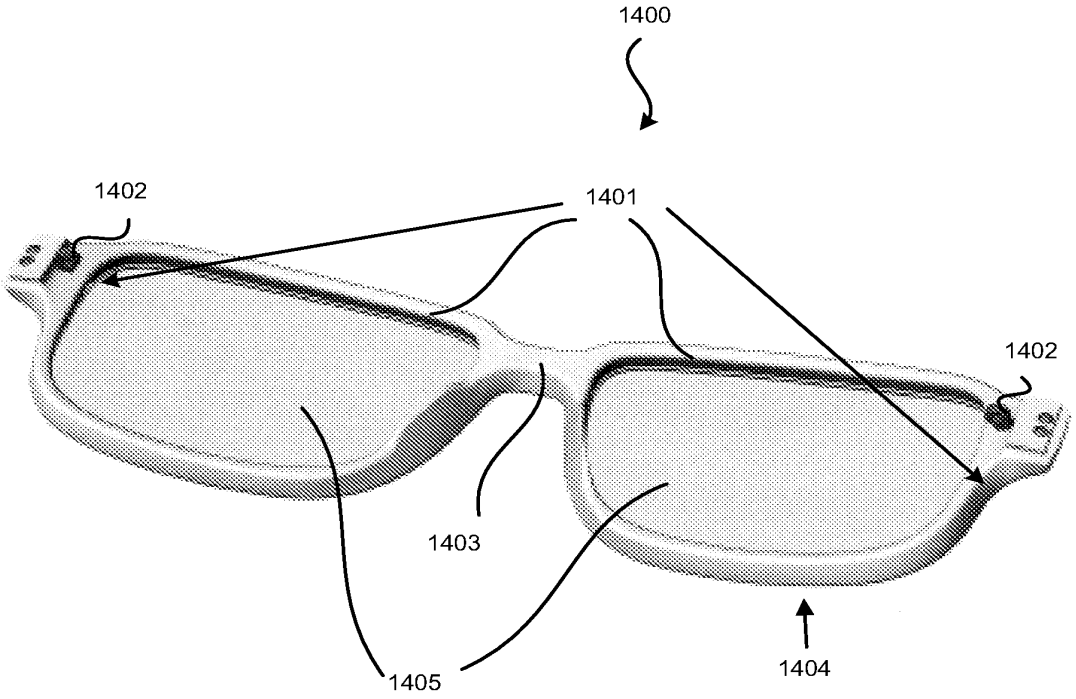


FIG. 15

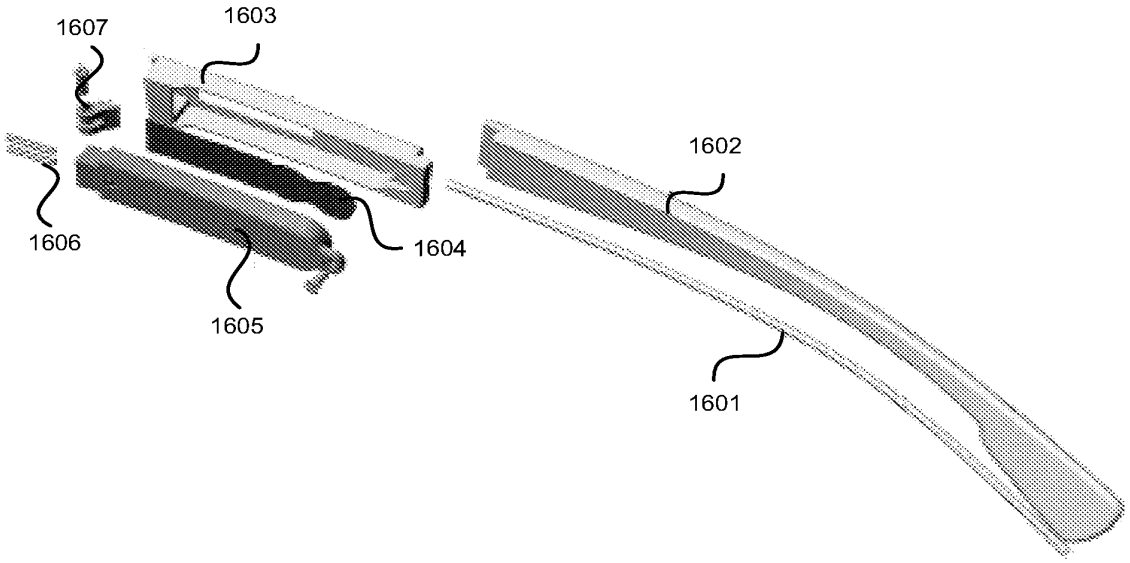


FIG. 16

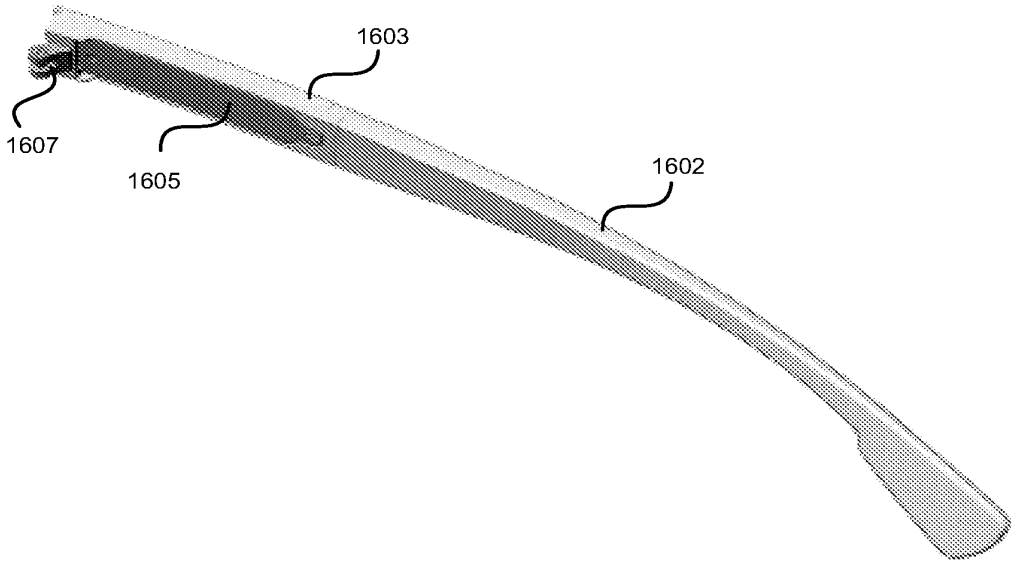


FIG. 17

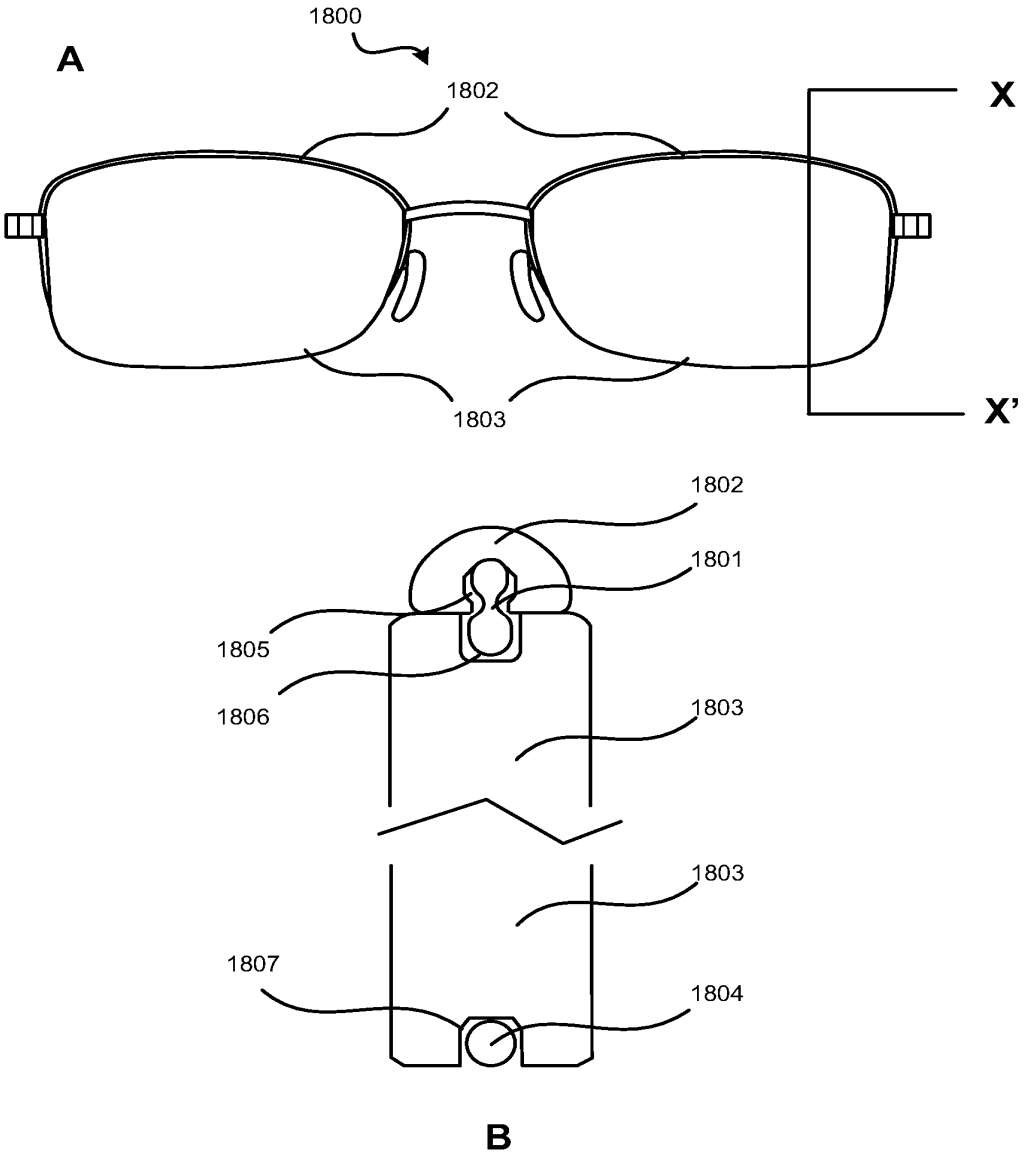


FIG. 18

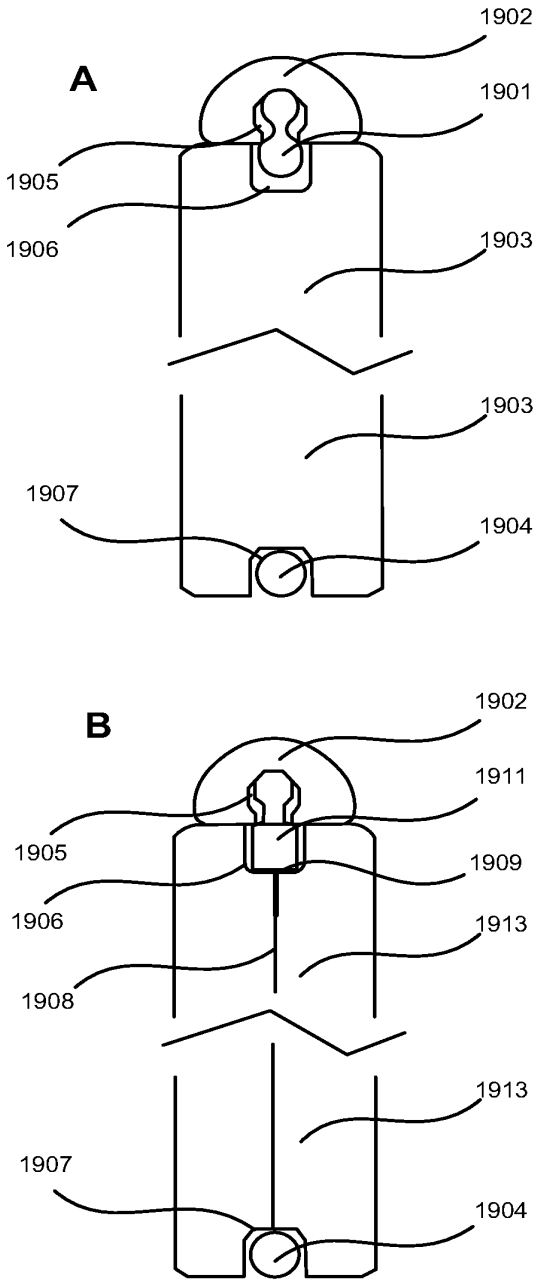

A
1902
1901
1905
1906
1903
1903
1907
1904
B
1902
1911
1905
1909
1906
1913
1908
1913
1907
1904

FIG. 19

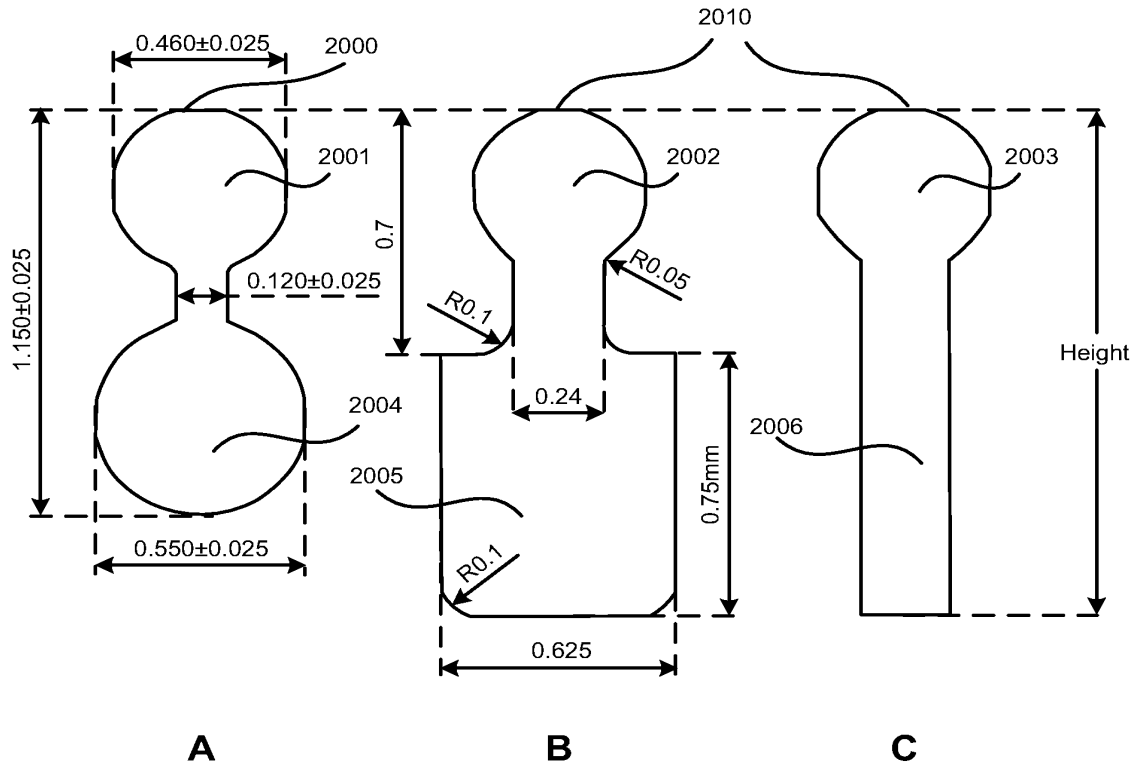

0.460±0.025
2000
2010
2001
2002
2003
0.7
1.150±0.025
0.120±0.025
R0.1
R0.05
Height
2004
0.24
2006
2005
0.75mm
R0.1
0.550±0.025
0.625
A
B
C

FIG. 20

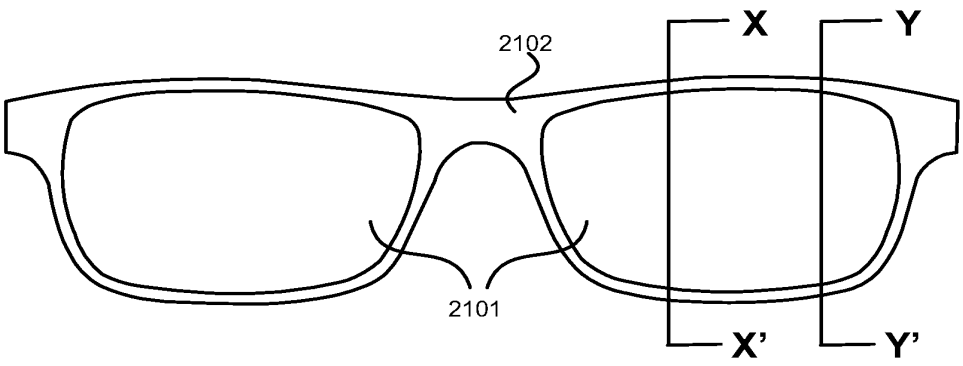


FIG. 21

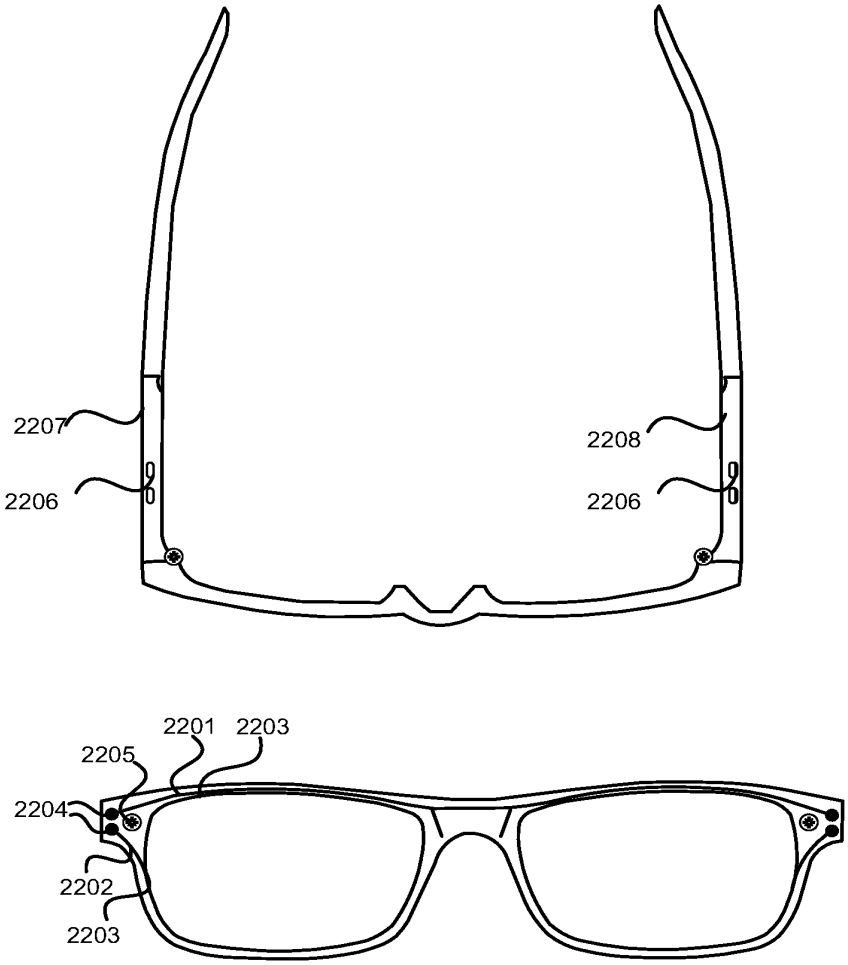


FIG. 22

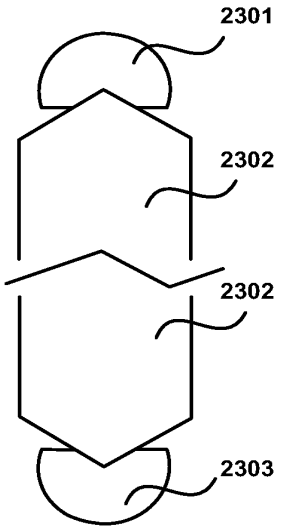


Fig. 23(a)

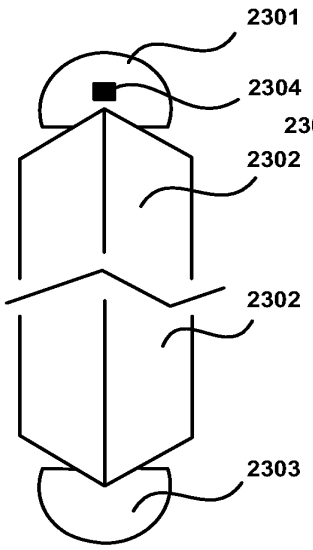


Fig. 23(b)

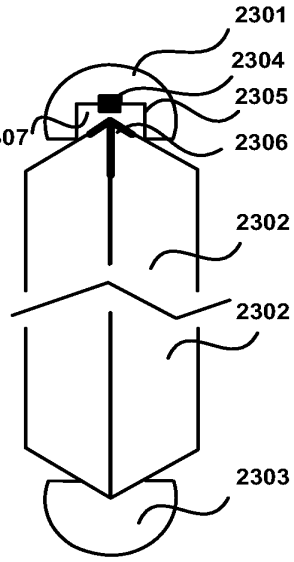


Fig. 23(c)

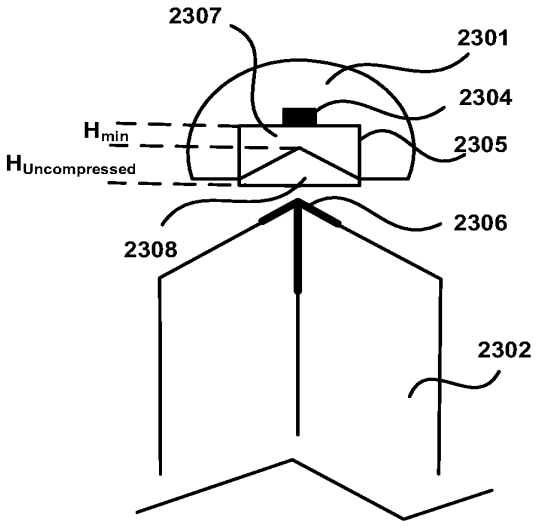


Fig. 23(d)

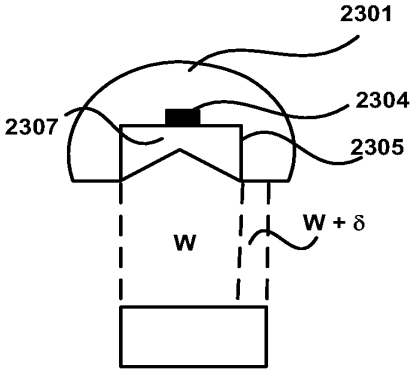


Fig. 23(e)

FIG. 23

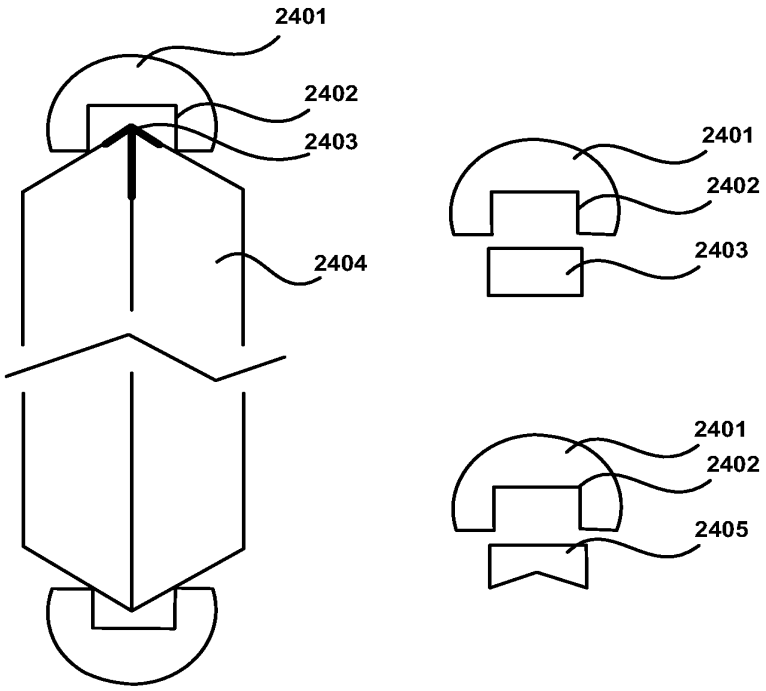


FIG. 24

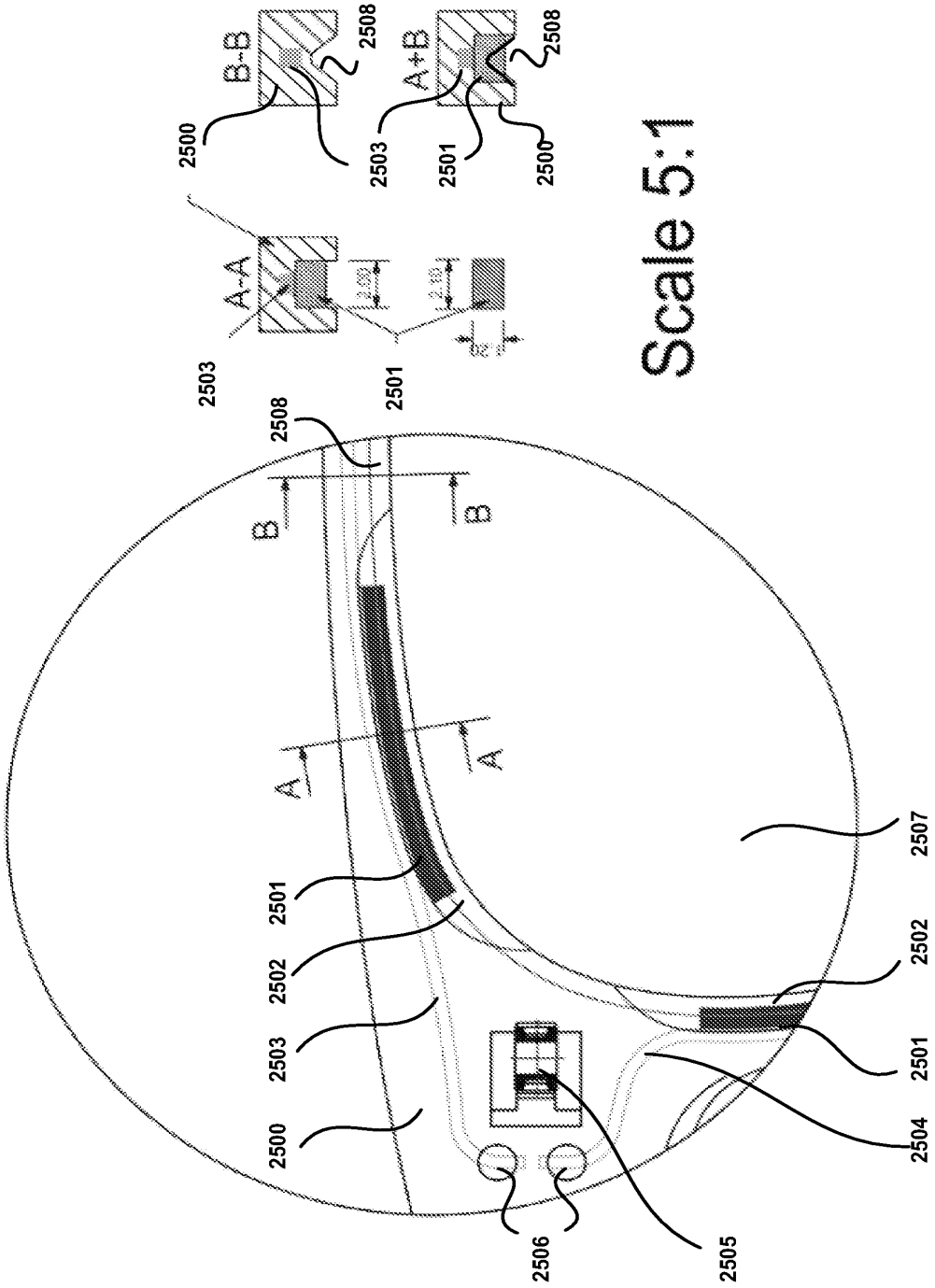

B-B
A+B
A-A
Scale 5:1
2500
2503
2501
2508
2507
2502
2504
2505
2506
A
B

FIG. 25

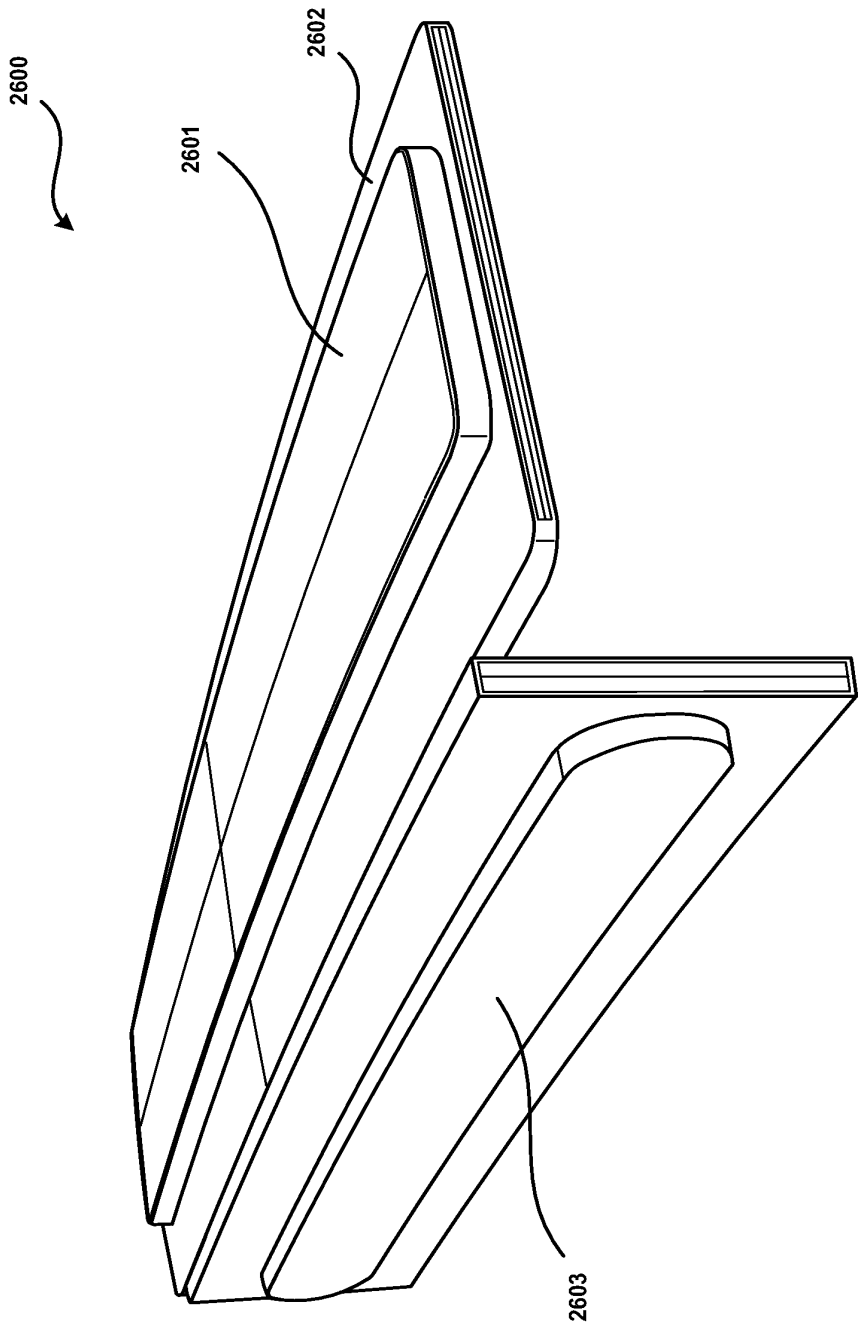


FIG. 26

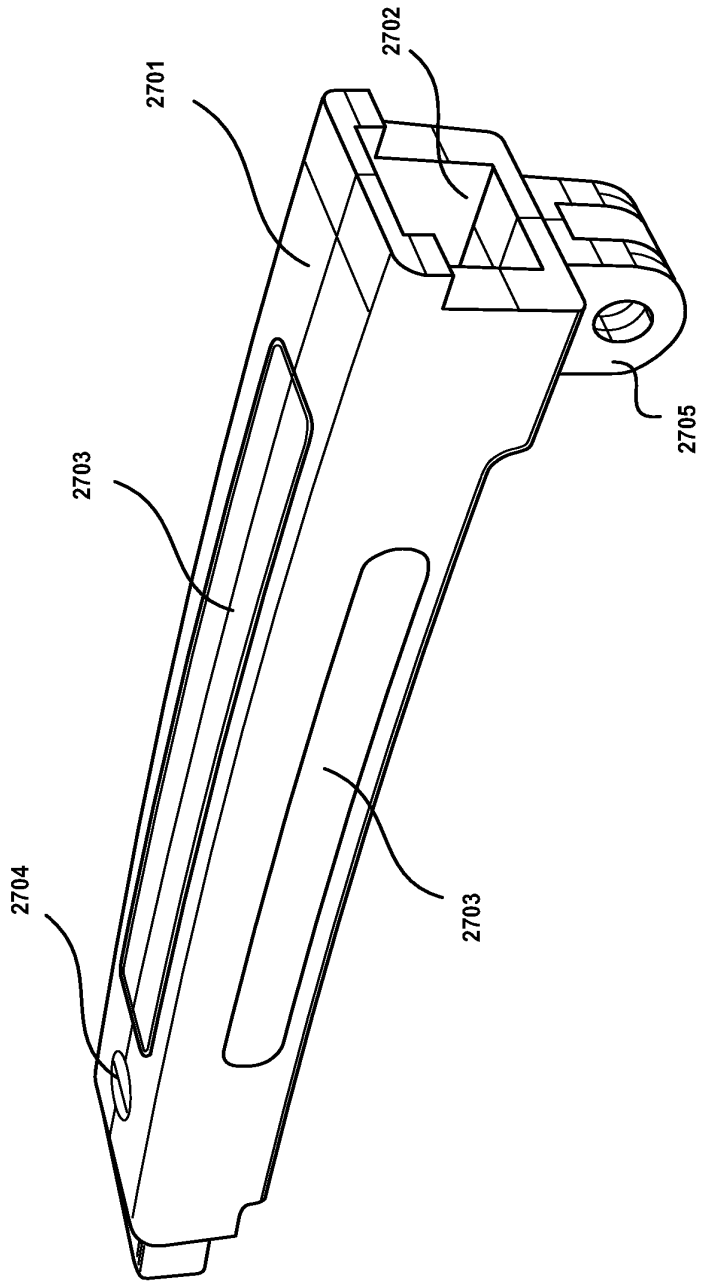


FIG. 27

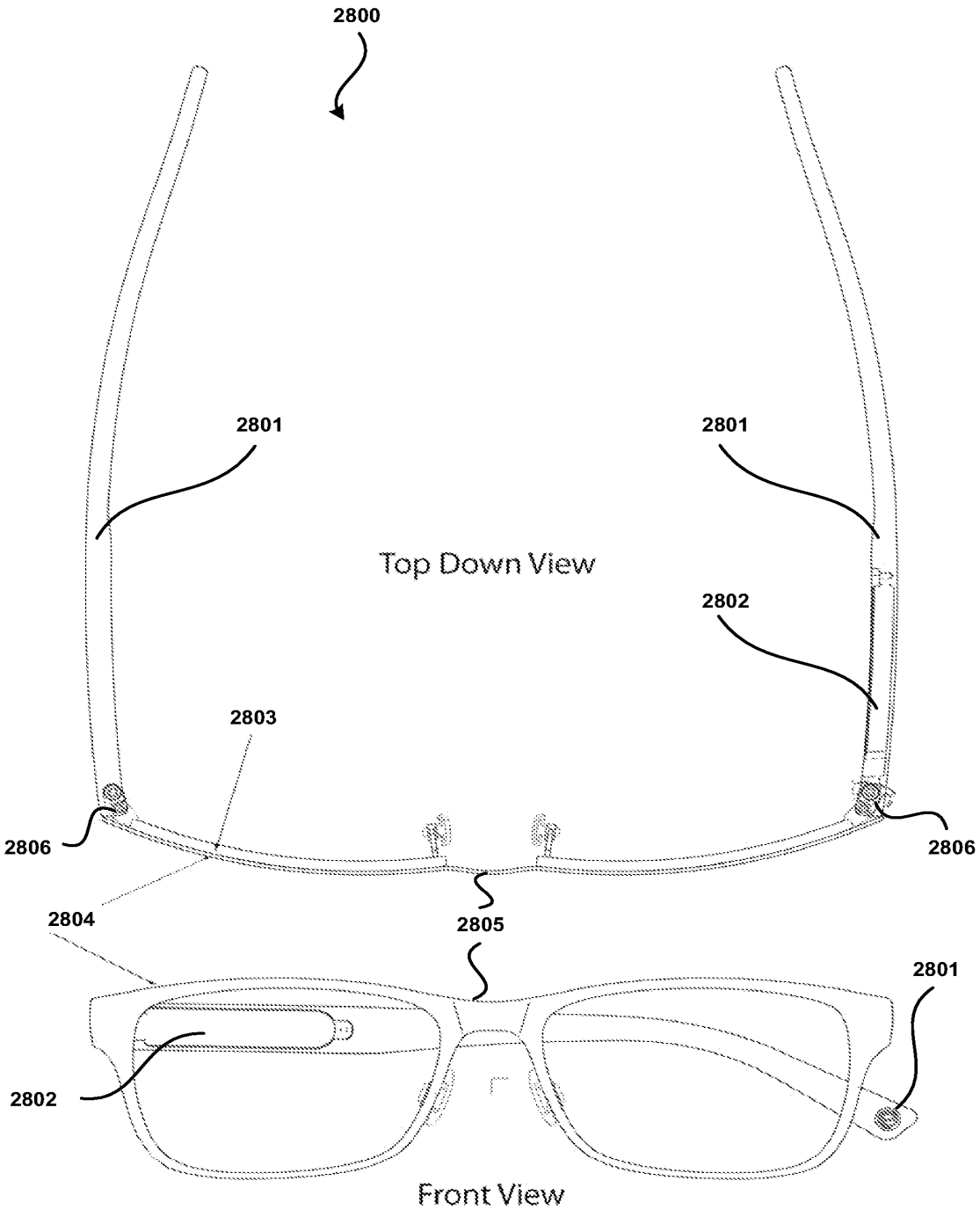

2800
2801
2801
Top Down View
2802
2803
2806
2806
2804
2805
2801
2802
Front View

FIG. 28

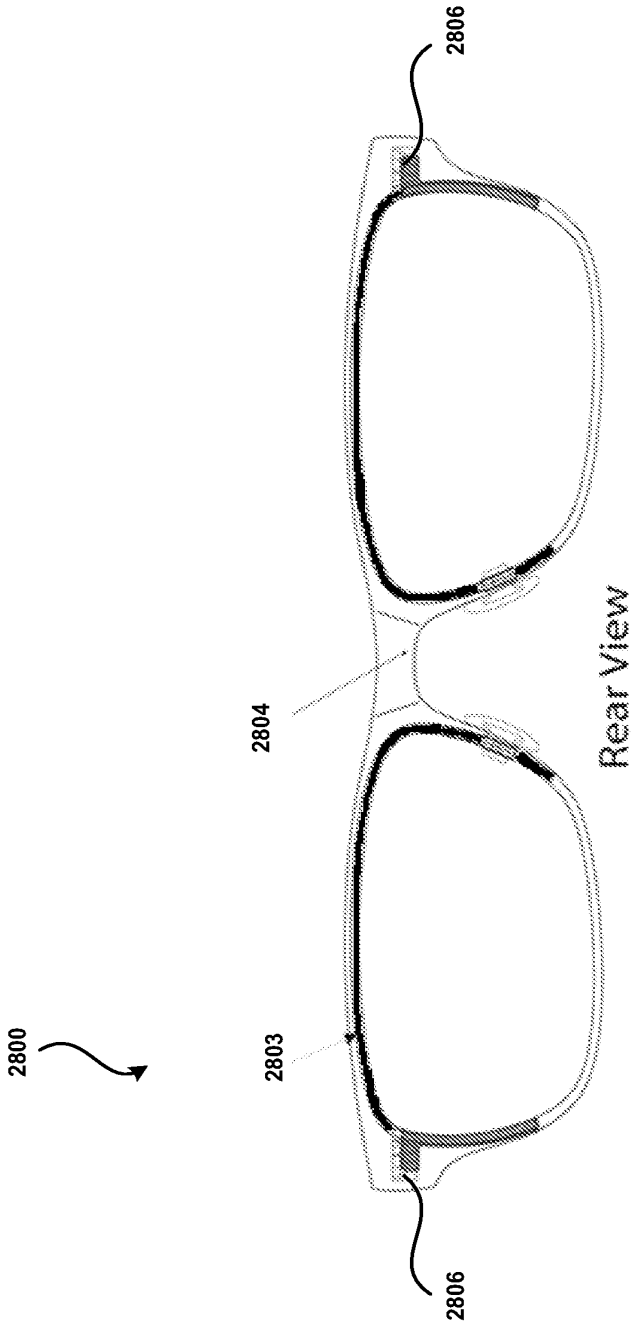


FIG. 29

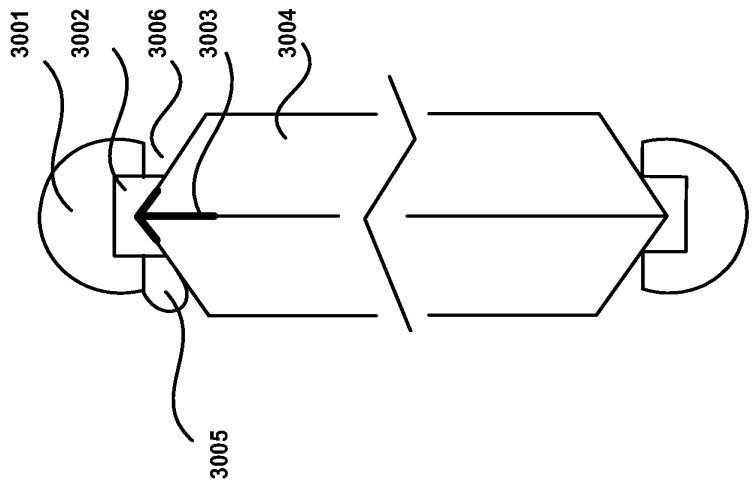


FIG. 30

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(84) États désignés *(sauf indication contraire, pour tout titre de protection régionale disponible)* : ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), eurasien (AM, AZ, BY, KG, KZ, RU, TJ, TM), européen (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

[Suite sur la page suivante]

(54) Title : FLEXIBLE PASSIVE SENSOR FOR A CONTACT LENS

(54) Titre : CAPTEUR PASSIF FLEXIBLE POUR LENTILLE DE CONTACT

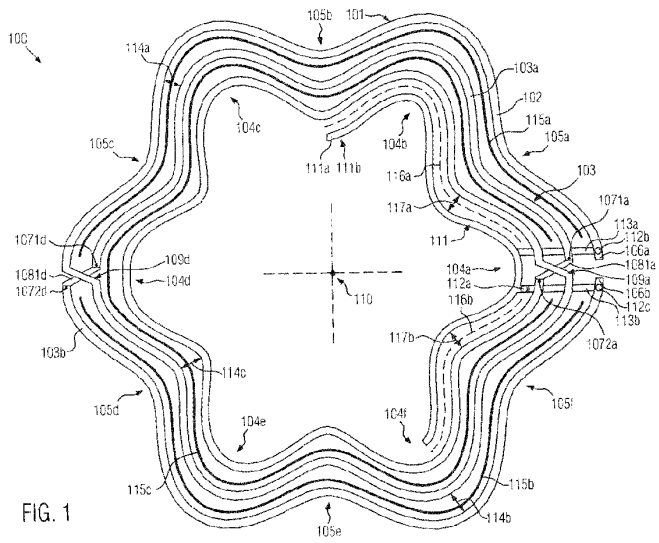


FIG. 1

(57) Abstract : The invention relates to an intraocular pressure sensor (100, 200, 300) for incorporation into a contact lens, comprising: a carrier substrate, and an inductor (101) essentially arranged on a plane of the carrier substrate and comprising at least one coil (102, 103) describing a plurality of coil windings following an essentially spiral geometry. According to the invention, at least one cut (115a) is produced in the carrier substrate in at least one interstice (114a) between two successive coil windings of the inductor (101).

(57) Abrégé : L'invention se rapporte à un capteur (100, 200, 300) de pression intraoculaire pour incorporation dans une lentille de contact, comprenant : un substrat porteur, et une inductance (101) agencée essentiellement sur un plan du substrat porteur et comportant au moins une spire (102, 103) décrivant une pluralité de tours de spire suivant une géométrie esseutiellement spirale. Selon l'invention, au moins une découpe (1 15a) du substrat porteur est réalisée au niveau d'au moins un interstice (1 14a) entre deux tours de spire successifs de l'inductance (101).

WO 2014/184137 A1

Publiée :

— *avec rapport de recherche internationale (Art. 21(3))*

CAPTEUR PASSIF FLEXIBLE POUR LENTILLE DE CONTACT

L'invention se rapporte au domaine des capteurs passifs pour incorporation dans des lentilles de contact, en particulier destinés à mesurer un paramètre physiologique tel que la pression intraoculaire.

La pression intraoculaire est un des paramètres physiologiques permettant de diagnostiquer certaines maladies de l'œil, telles que le glaucome. Des capteurs ambulatoires et non-invasifs ont été développés afin de mesurer les variations de pression intraoculaire sur un patient pendant son évolution journalière. Le développement des capteurs non-invasifs permet de plus en plus fréquemment d'une part de s'affranchir des méthodes invasives impliquant des interventions chirurgicales sur l'œil du patient. D'autre part, le fait d'avoir associé ces capteurs à des systèmes ambulatoires évite aussi une immobilisation du patient et permettent un suivi efficace ininterrompu de l'évolution de la pression intraoculaire ou de tout autre paramètre physiologique dans des situations réelles de la vie du patient.

Un capteur passif, c'est-à-dire n'ayant besoin d'aucune source d'énergie importante pour fonctionner, réalisé au moyen d'un circuit électrique LC, intégré dans une lentille de contact souple et destiné à la surveillance de la pression intraoculaire, est connu du document EP 2 412 305 A1. Une variation de la pression intraoculaire entraîne un changement de la fréquence de résonance du circuit LC qui peut être détecté et ainsi lié à cette variation. En particulier, la demande EP 2 412 305 A1 divulgue un capteur comprenant un condensateur et une inductance composée de premières spires agencées sur une première face principale d'un substrat porteur et de secondes spires agencées sur une deuxième face principale du substrat porteur, opposée à la première face principale. Le document EP 2 412 305 A1 divulgue aussi que le substrat porteur peut être enlevé au moins partiellement des régions sans spires et/ou condensateur, que les deux séries de spires peuvent s'entrecroiser et être reliées entre elles par des vias conducteurs, ainsi que le condensateur peut être formé intégralement avec l'inductance de sorte que ses deux électrodes sont agencées chacune sur l'une des deux faces opposées du substrat porteur.

Certains problèmes pratiques et des contraintes inattendues sont apparus lors de la fabrication des capteurs et lentilles tels que divulgués dans le document EP 2 412 305 A1, notamment lors du moulage du capteur avec une lentille de contact.

De manière générale, le cintrage du capteur lors du moulage dans une lentille de contact pose de nombreux problèmes pratiques et chaque type de capteur connu de l'état de l'art présente des zones plus ou moins rigides qui risquent de gêner l'opération. Il existe donc un besoin dans l'industrie des capteurs passifs pour lentilles de contact de capteurs fabriqués de telle sorte que leur cintrage au moment du moulage avec la lentille de contact puisse être effectué de manière efficace.

La présente invention a donc pour objectif d'améliorer les techniques et capteurs connus de l'état de l'art pour permettre un meilleur cintrage et par conséquent moulage des capteurs dans des lentilles de contact.

Un objectif de la présente invention est atteint avec un capteur de pression intraoculaire pour incorporation dans une lentille de contact, comprenant un substrat porteur, et une inductance agencée essentiellement sur un plan du substrat porteur et comportant au moins une spire décrivant une pluralité de tours de spire suivant une géométrie essentiellement spirale. Selon l'invention, au moins une découpe du substrat porteur est réalisée dans au moins un interstice entre deux tours de spire successifs de l'inductance. Ainsi un capteur selon l'invention peut avoir une structure au moins partiellement en « anneaux concentriques attachés », qui offre d'avantage de flexibilité lors de son cintrage. Au moins une découpe est nécessaire pour réaliser l'invention, mais davantage de découpes peuvent également offrir une amélioration de la structure en anneaux concentriques attachés, offrant encore plus de flexibilité au capteur au moment de son cintrage et de son incorporation dans une lentille de contact.

Pour réaliser l'invention, il n'est pas nécessaire que la ou les découpes soient réalisées à travers toute l'épaisseur du substrat porteur. Une découpe sur une épaisseur partielle ou une découpe effectuée de manière discontinue ou segmentée sur le tronçon découpé peut suffire, du moment que la couche restante ou les segments de substrat porteur sont suffisamment fins pour se déchirer lors du cintrage du capteur, réalisant ainsi une découpe à travers toute l'épaisseur du substrat ou le long de toute la longueur de la découpe.

De préférence, le capteur peut comprendre en outre au moins un condensateur avec une première électrode et une deuxième électrode, caractérisé en ce qu'au moins l'une parmi les deux électrodes de l'au moins un condensateur peut être agencée sur le même plan du substrat porteur que l'inductance. Il est donc possible de réaliser un circuit LC passif, dont les variations de fréquence de résonance peuvent être suivies en fonction

des variations du paramètre physiologique à surveiller, par exemple la pression intraoculaire. Il est également avantageux que la géométrie de cet au moins un condensateur soit calée au moins partiellement sur celle de l'inductance afin d'améliorer la flexibilité du capteur par rapport à des capteurs connus de l'état de l'art utilisant des condensateurs de géométrie différente de celle de l'inductance.

Au moins une autre découpe peut alors être réalisée dans au moins un interstice entre ledit condensateur et l'inductance. De même qu'une ou plusieurs découpes peuvent être réalisées dans au moins un interstice entre des spires de l'inductance, au moins une découpe peut être réalisée de manière équivalente et également avantageuse entre l'inductance et le condensateur. La flexibilité du capteur est alors encore plus améliorée par rapport à l'état de l'art connu.

Avantageusement, l'inductance peut comprendre une première spire partant d'un premier terminal sur la partie la plus à l'extérieur de l'inductance et tournant dans un premier sens spiral vers la partie la plus à l'intérieur de l'inductance, et une deuxième spire prolongeant la première spire suivant la même orientation spirale depuis la partie la plus à l'intérieur de l'inductance vers un deuxième terminal sur la partie la plus à l'extérieur de l'inductance, et les tours de spire de la première spire et les tours de spire de la deuxième spire peuvent s'entrecroiser dans au moins une zone de croisement. En particulier, les tours de spire des première et deuxième spires peuvent s'entrecroiser dans deux zones de croisement, de préférence diamétralement opposées. Une telle inductance permet de mieux confiner les lignes de champs électriques dans la lentille de contact par rapport à des inductances utilisées dans des capteurs connus de l'état de l'art.

Dans une variante d'un mode de réalisation, l'inductance peut être agencée en une pluralité de séries ou anneaux de tours de spire concentriques, de préférence entre deux et cinq anneaux de tours de spire, préférablement trois anneaux de tours de spire, espacés radialement par des interstices de largeur prédéterminée au moins égale ou supérieure à la largeur d'un interstice entre deux tours de spire d'un même anneau de tours de spire, et l'au moins une découpe peut être réalisée au moins dans un interstice séparant deux anneaux de tours de spire. Ainsi, un capteur selon l'invention peut comporter des interstices préférentiels dans lesquels il est avantageux de réaliser au moins une découpe selon l'invention. De plus, le fait d'agencer les tours de spire de l'inductance en groupes de tours de spire permet de donner davantage une structure en « anneaux concentriques attachés » une fois la ou les découpes réalisées dans le substrat porteur et donc d'améliorer sa flexibilité par rapport aux capteurs connus de l'état

de l'art pour obtenir un meilleur cintrage et donc au bout du compte une meilleure intégration à une lentille de contact.

Préférablement, chaque anneau de tours de spire peut alors comprendre de trois à dix tours de spire. Il est avantageux que le patient porteur de la lentille puisse avoir une vue dégagée, y compris sous faible éclairage. Il est donc avantageux de maintenir le nombre de tours de spire dans une plage adaptée.

Préférablement, l'anneau de tours de spire le plus au centre de la géométrie spirale de l'inductance peut alors comporter davantage de tours de spire que les autres anneaux de tours de spire. Autrement dit, la largeur de l'anneau de tours de spire le plus au centre peut être plus importante que les largeurs respectives des anneaux les plus à l'extérieur. La zone centrale du capteur étant un peu plus simple à courber lors du cintrage d'une part, et le substrat pouvant être plus large sur l'anneau intérieur d'autre part, il est avantageux d'y agencer plus de tours de spire que dans les anneaux de tours de spire plus à l'extérieur du capteur qui sont ceux subissant une plus forte courbure.

Dans une variante du mode de réalisation comportant les anneaux de tour de spires, deux anneaux de tours de spire successifs peuvent être reliés entre eux par au moins un pont conducteur, préférablement par un seul pont conducteur, en particulier par un seul pont conducteur qui peut être agencé à 180° du prochain pont conducteur entre deux anneaux de tours de spire, plus en particulier au niveau de zones de croisement. Il a été observé que des ponts conducteurs agencés de manière diamétralement opposée étaient avantageux pour la flexibilité du capteur. Utiliser un seul pont conducteur entre groupes de tours de spire permet, une fois au moins une découpe réalisée suivant l'invention, d'accentuer la forme en anneaux concentriques attachés du capteur lors de son cintrage.

Avantageusement, au moins l'une parmi la première spire et la deuxième spire peut être composée d'une pluralité de segments de spire reliés dans les zones de croisement. Au moins l'une des spires de l'inductance peut être segmentée afin de permettre des croisements plus simples entre elles. Dans ce cas, les croisements entre la première spire et la deuxième spire, et le cas échéant les ponts conducteurs entre anneaux de tours de spire, peuvent être réalisés de manière avantageuse au moyen de vias conducteurs et de traces conductrices.

Avantageusement, chacune des électrodes de l'au moins un condensateur peut être reliée respectivement à un terminal de l'inductance. Il est possible d'agencer au moins un

condensateur sur une périphérie extérieure ou sur une périphérie intérieure de l'inductance. Dans un cas comme dans l'autre, il est possible d'utiliser des connexions au moyen de vias conducteurs et de traces conductrices.

Avantageusement, l'au moins une découpe peut être réalisée par segments arqués successifs en laissant des ponts de substrat porteur entre deux découpes successives, de telle sorte les ponts de substrat porteur peuvent se déchirer lors du moulage du capteur pour incorporation dans une lentille de contact, le cas échéant à l'exception des zones de croisement et des zones autour des ponts conducteurs. Il est donc possible de réaliser une découpe en segments plutôt que d'une seule traite sur la longueur de l'interstice. Au moment du cintrage, il est possible que les espaces entre segments se déchirent, réalisant ainsi une découpe unique plus longue. Il est toujours préférable de ne pas réaliser de découpe au travers des zones de croisement ou, le cas échéant, des ponts conducteurs entre anneaux de tours de spire.

Avantageusement, l'inductance peut avoir une géométrie substantiellement étoilée. Il a été observé qu'une inductance à géométrie en forme d'étoile comportant une succession de branches et de vallées, en particulier dont les extrémités sont arrondies, fournit suffisamment de flexibilité au capteur pour ne pas produire de plis ou de vaguelettes en bordure d'une lentille de contact lors du moulage. Il est donc possible de combiner cet aspect avantageux avec la présente invention pour fournir un capteur plus flexible et adaptable à la géométrie d'une lentille de contact que les capteurs connus de l'état de l'art.

Avantageusement, l'au moins un condensateur peut avoir une géométrie arquée suivant au moins partiellement la géométrie de l'inductance. Ainsi dans un capteur à inductance essentiellement circulaire, le ou les condensateurs peuvent être en arc de cercle, alors qu'ils peuvent adopter une géométrie en arc partiellement étoilé dans le cas d'une inductance en forme d'étoile. Cet aspect offre davantage de flexibilité qu'un capteur comprenant un condensateur de géométrie différente de celle de l'inductance.

L'objectif est aussi atteint par une lentille de contact, en particulier une lentille de contact souple, comprenant un capteur selon l'aspect décrit précédemment ou l'une de ses variantes ou une combinaison de celles-ci, dans laquelle le capteur est moulé à l'intérieur de la lentille. Lors du moulage avec la lentille, l'inductance peut être courbée perpendiculairement au premier plan du capteur, qui est le plan sur lequel le capteur a été fabriqué, en suivant la courbure de la lentille. La présence d'au moins une découpe dans

le substrat porteur entre des spires de l'inductance offre une flexibilité améliorée par rapport à l'état de l'art lors du cintrage et donc de l'incorporation du capteur selon l'invention dans une lentille de contact, ce qui permet notamment d'éviter la formation de vaguelettes ou de plis en bordure de la lentille une fois le capteur incorporé et présente ainsi un avantage par rapport à des lentilles de contact équipées de capteurs passifs connus de l'état de l'art.

Différents aspects permettant de mieux comprendre la présente invention ainsi que les avantages décrits précédemment seront détaillés dans ce qui suit, notamment à l'aide de modes de réalisation avantageux illustrés au moyen des figures d'accompagnement, dans lesquelles :

la Figure 1 illustre schématiquement un exemple d'un mode de réalisation d'un capteur suivant l'un des aspects de l'invention ;

la Figure 2 illustre schématiquement un autre exemple d'un mode de réalisation d'un capteur selon l'invention ;

la Figure 3 illustre schématiquement un exemple d'une variante du mode de réalisation illustré à la Figure 2 ; et

les Figures 4A et 4B illustrent schématiquement un exemple, ne faisant pas partie de la présente invention mais utile pour sa compréhension, de découpes dans un substrat aboutissant à une structure en « anneaux concentriques attachés ».

Dans ce qui suit, des signes de référence analogues sont utilisés pour décrire des éléments identiques ou jouant le même rôle dans les différents modes de réalisation. Par exemple, un élément désigné par le signe de référence 101 dans un premier mode de réalisation pourra être désigné par 201, respectivement par 301, dans un deuxième, respectivement un troisième, mode de réalisation. Il est donc possible que la description d'éléments identiques ou jouant le même rôle ne soit pas répétée dans différents modes de réalisation.

Les Figures 1 à 3 représentent schématiquement des variantes d'un capteur 100, 200, 300 destiné à la mesure d'un paramètre physiologique tel que la pression intraoculaire suivant des modes de réalisation illustrant une combinaison de plusieurs aspects de la présente invention.

La Figure 1 représente une variante d'un mode de réalisation d'un capteur 100 selon l'invention, ici représenté à plat, par exemple avant son cintrage et/ou moulage pour incorporation dans une lentille de contact, dans une vue du dessus. Suivant un aspect de l'invention illustré à la Figure 1, le capteur 100 comprend une inductance 101, qui est agencée essentiellement sur un même premier plan d'un substrat porteur. La vue de la Figure 1 illustre que l'inductance 101 a une géométrie substantiellement étoilée, comprenant une succession de branches 104a, 104b, 104c, 104d, 104e, 104f et de vallées 105a, 105b, 105c, 105d, 105e, 105f agencées autour du centre 110 de ladite géométrie étoilée. Dans la variante du mode de réalisation illustrée à la Figure 1, l'inductance 101 comprend un nombre pair de branches mais pourrait, dans d'autres modes de réalisation, comprendre un nombre impair de branches. Dans le cas illustré à la Figure 1, l'inductance 101 comprend 6 branches, mais elle pourrait en comporter moins ou davantage, par exemple 4 ou 5 branches et jusqu'à 8, voire 9 ou 10 branches ou plus.

La distance entre le centre 110 de la géométrie étoilée et l'extrémité de chaque branche 104a, 104b, 104c, 104d, 104e, 104f peut être choisie de manière à être substantiellement inférieure ou égale au rayon de la lentille de contact dans laquelle le capteur 100 sera incorporé. De même, la géométrie étoilée de l'inductance 101 peut être choisie de telle sorte que la distance entre le centre 110 et le fond des vallées 105a, 105b, 105c, 105d, 105e, 105f soit substantiellement inférieure ou égale à la distance entre le centre 110 et l'extrémité des deux branches 104a, 104b, 104c, 104d, 104e, 104f entourant respectivement chaque vallée 105a, 105b, 105c, 105d, 105e, 105f. Les dimensions des branches 104a, 104b, 104c, 104d, 104e, 104f et des vallées 105a, 105b, 105c, 105d, 105e, 105f peuvent être choisies de préférence afin de ne pas gêner la vision d'un patient portant une lentille munie d'un tel capteur 100, en particulier dans l'obscurité ou dans des conditions de faible éclairage.

D'autres géométries que la géométrie étoilée décrite pour le mode de réalisation illustré à la Figure 1 sont également possibles. Ainsi, les inductances 201, 301 et plus généralement les capteurs 200, 300 des variantes d'un mode de réalisation illustrées aux Figures 2 et 3 peuvent être de géométrie essentiellement circulaire. D'autres variantes de capteurs selon l'invention pourrait être essentiellement carrées, rectangulaires, triangulaires, ovales, etc. En dehors de leur géométrie, les variantes d'un mode de réalisation d'un capteur 200, 300 selon l'invention illustrées aux Figures 2 et 3, qui seront décrites plus loin, reprennent plusieurs des caractéristiques de la variante d'un capteur 100 selon l'invention illustrée à la Figure 1.

Selon une autre variante d'un mode de réalisation de l'invention, pouvant être combiné avec les aspects décrits précédemment ou bien pris indépendamment, l'inductance 101 du mode de réalisation illustré à la Figure 1 comporte deux terminaux 106a, 106b qui sont situés sur une périphérie extérieure de l'inductance 101. L'inductance 101 comprend en outre une première spire 102, démarrant au premier terminal 106a, et tournant en spirale depuis la partie la plus à l'extérieure de l'inductance 101 vers l'intérieur de l'inductance 101, puis se prolongeant par une deuxième spire 103, tournant toujours dans le même sens spiral, mais depuis la périphérie intérieure vers le deuxième terminal 106b sur la périphérie extérieure de l'inductance 101. Par ailleurs, étant donné que l'inductance 101 est sur un même premier plan du substrat porteur, les deux spires 102, 103 et donc les deux terminaux 106a, 106b sont également agencés sur ce même plan.

Suivant une variante d'un aspect de l'invention, les spires 102, 103 s'entrecroisent dans au moins une zone de croisement. Dans le cas illustré à la Figure 1, les spires 102, 103 s'entrecroisent en particulier dans les deux zones de croisement 109a et 109d, mais dans d'autres variantes, les zones de croisement 109a, 109d pourraient être plus ou moins nombreuses et pourraient être agencées autrement, par exemple dans des vallées 105a, 105b, 105c, 105d, 105e, 105f ou dans d'autres branches que les branches 104a, 104d, ou encore dans un agencement suivant des combinaison de ces variantes. Afin de faciliter le croisement des spires 102, 103 de l'inductance 101, l'une des spires 102 et 103, dans l'exemple illustré à la Figure 1 la spire 103, est composée d'une succession de segments 103a, 103b reliés au moyen de vias conducteurs 1071a, 1072a, 1071d, 1072d. Dans d'autres modes de réalisation, la spire 102 pourrait être composée d'une telle succession de segments, ou bien les deux spires 102, 103 pourraient être composées de tels segments. Les vias conducteurs 1071a, 1072a, 1071d, 1072d sont donc agencés dans les zones de croisement 109a, 109d, qui dans le cas illustré à la Figure 1 sont les branches 104a, 104d symétriquement opposées de l'inductance 101, mais qui, dans d'autres modes de réalisation avantageux préférés pourraient être des vallées, de préférence des vallées symétriquement opposées d'une inductance 101 à géométrie étoilée. Dans la variante à géométrie circulaire illustrée à la Figure 2, les deux zones de croisement 209a, 209d sont symétriques par rapport au centre géométrique du capteur 200 ou de l'inductance 201 et donc diamétralement opposées.

En outre, selon une variante d'un mode de réalisation de l'invention, comme illustré à la Figure 1, les vias conducteurs 1071a, 1072a, 1071d, 1072d reliant les segments 103a, 103b de la deuxième spire 103 peuvent être reliés entre eux au moyen

de traces conductrices 1081a, 1081d agencées sur un deuxième plan du substrat porteur, parallèle au premier plan mais différent de celui-ci, et sont donc essentiellement parallèles aux spires 102, 103. Au niveau des zones de croisement 109a, 109d, les traces conductrices 1081a, 1081d reliant les segments 103a, 103b de la deuxième spire 103 au moyen des vias conducteurs 1081a, 1081d sont de préférences séparées de la première spire 102 et/ou de la deuxième spire 103 par un milieu diélectrique. De cette manière l'inductance 101 est agencée essentiellement sur un premier plan du substrat porteur, et les connexions électriques sont agencées essentiellement sur un deuxième plan du substrat porteur, qui est essentiellement parallèle au premier plan. Le substrat porteur du capteur 100 peut alors servir de milieu diélectrique entre les traces conductrices 1081a, 1081d et les zones de croisement 109a, 109d des spires 102, 103 de l'inductance 101, mais il est également possible d'utiliser d'autres matériaux que le substrat porteur pour servir de milieu diélectrique.

D'après un autre aspect de l'invention, le capteur 100 du mode de réalisation illustré à la Figure 1 peut aussi comprendre au moins un condensateur 111, agencé sur une périphérie intérieure de l'inductance 101. Dans d'autres modes de réalisation que celui représenté à la Figure 1, un capteur selon l'invention pourrait comprendre davantage de condensateurs, par exemple au moins deux, voire plus. Comme l'illustre la Figure 1, le condensateur 111 peut comprendre deux électrodes 111a, 111b agencées sur deux plans parallèles qui peuvent être respectivement les premier et deuxième plans du substrat porteur décrits précédemment, à savoir le plan des spires 102, 103 de l'inductance 101 et le plan des traces conductrices 1081a, 1081d. Les deux électrodes 111a, 111b du condensateur 111 peuvent être reliées aux bornes 106a, 106b de l'inductance 101. Il est alors avantageux d'utiliser des vias conducteurs 112a, 112b, 112c et des traces conductrices 113a, 113b, ces dernières étant agencées de préférence également sur le deuxième plan du substrat porteur, à savoir le même plan que les traces conductrices 1081a, 1081d de la deuxième spire 103 de l'inductance 101 et la deuxième électrode 111b du condensateur 111. Ainsi, le substrat porteur peut également servir de milieu diélectrique entre les traces conductrices 113a, 113b et les spires 102 ,103 de l'inductance, mais également de milieu diélectrique entre les électrodes 111a, 111b du condensateur 111. Dans des variantes de modes de réalisation de la présente invention, il peut être possible d'utiliser plusieurs substrats différents pour servir d'une part de substrat porteur au capteur 100 et d'autre part de milieu(x) diélectrique(s) entre les différentes traces conductrices 1081a, 1081d ou 113a, 113b et les spires 102, 103 de l'inductance 101 et/ou de milieu diélectrique pour le condensateur 111.

Pour des raisons de flexibilité du capteur 100 au moment de son cintrage et de son incorporation dans une lentille de contact, il est avantageux que l'au moins un condensateur 111 ait une géométrie arquée suivant la géométrie de l'inductance 101. Cet aspect est illustré à la Figure 1, dans laquelle on peut voir que le condensateur 111 adopte une géométrie partiellement en forme d'étoile suivant partiellement l'inductance 101. De même, dans les variantes à géométrie circulaire illustrées aux Figures 2 et 3, le condensateur 211, respectivement le condensateur 311, est en arc de cercle suivant la géométrie de l'inductance 201, respectivement de l'inductance 301.

La Figure 1 illustre en outre des interstices 114a, 114b, 114c qui sont des espaces entre les tours de spire successifs des spires 102, 103 de l'inductance 101. Suivant l'invention, au moins une découpe 115a, 115b, 115c peut être réalisée dans le substrat porteur dans au moins l'un de ces interstices 114a, 114b, 114c, par exemple au moyen d'un laser ou de tout autre équipement permettant d'opérer dans les dimensions et précisions nécessaires au maniement du capteur 100. La présence d'au moins une découpe 115a, 115b, 115c conformément à l'invention permet au capteur 100 d'adopter une forme en « anneaux concentriques attachés » qui est avantageuse pour le cintrage du capteur 100 pour incorporation dans une lentille de contact. Au moment de donner la géométrie de calotte sphérique à une lentille de contact selon l'invention, c'est-à-dire munie d'un tel capteur 100, la ou les découpes 115a, 115b, 115c réalisées dans le substrat porteur vont donner au capteur 100 une flexibilité améliorée par rapport aux capteurs connus de l'état de l'art, ce qui va permettre un meilleur moulage avec la lentille.

Dans la variante d'un mode de réalisation de la présente invention illustrée à la Figure 1, trois découpes 115a, 115b, 115c sont réalisées dans le substrat porteur, respectivement le long des interstices 114a, 114b, 114c entre les tours de spire des deux spires 102, 103 de l'inductance 101. La présence de plus d'une découpe 115a, 115b, 115c permet d'améliorer davantage la flexibilité du capteur 100 par rapport à une seule découpe. Cependant, dans d'autres variantes de l'invention il est possible de ne réaliser qu'une seule découpe, par exemple une seule parmi les trois découpes 115a, 115b, 115c illustrées entre les interstices 114a, 114b, 114c de l'inductance 101. Dans d'autres variantes encore, il est possible de combiner deux parmi les trois découpes 115a, 115b, 115c. Au moins une découpe est nécessaire selon l'invention afin de rendre le capteur 100 plus flexible pour son cintrage et son incorporation à une lentille de contact. Plus le capteur 100 présente de découpes 115a, 115b, 115c dans les interstices 114a, 114b,

114c de l'inductance 101, plus la flexibilité du capteur 100 est améliorée par rapport à des capteurs connus de l'état de l'art.

Dans d'autres variantes de la présente invention, il est également possible de réaliser au moins l'une des découpes 115a, 115b, 115c par segments. Dans un tel cas, il serait par exemple possible que l'une ou bien une combinaison ou bien toutes les découpes 115a, 115b, 115c telles qu'illustrées à la Figure 1 soient réalisées non pas d'une seule traite comme à la Figure 1, mais par segments plus petits. Au moment de cintrer le capteur 100, les espaces entre les segments pourraient alors se déchirer et créer les découpes 115a, 115b, 115c telles qu'illustrées à la Figure 1. Un tel cas est illustré à la Figure 2, où l'espace 221 indiqué en pointillés entre les segments de découpe 215a, 215b peut se déchirer au moment du cintrage du capteur 200.

Dans une autre variante du mode de réalisation de l'invention illustré à la Figure 1, il est également possible de réaliser au moins une autre découpe 116a, 116b entre l'au moins un condensateur 111 et l'inductance 101. La Figure 1 illustre une variante dans laquelle deux découpes 116a, 116b sont réalisées dans le substrat porteur le long des interstices 117a, 117b respectifs entre le condensateur 111 et la spire 102. De même que les découpes 115a, 115b, 115c, les découpes 116a, 116b donnent encore davantage une forme en anneaux concentriques attachés au capteur 100, ce qui améliore encore plus la flexibilité du capteur 100, facilitant ainsi son incorporation à une lentille de contact par rapport aux capteurs connus de l'état de l'art.

La Figure 2 représente une autre variante possible d'un mode de réalisation d'un capteur 200 selon la présente invention. De nombreux éléments sont identiques ou similaires à ceux décrits en relation à la Figure 1 et, de manière générale, l'exemple d'un capteur 200 suivant un mode de réalisation de l'invention illustré à la Figure 2 présente les mêmes avantages liés à l'invention que l'exemple d'un capteur 100 suivant le premier mode de réalisation illustré à la Figure 1. La description du mode de réalisation illustré à la Figure 2 sera donc orientée essentiellement autour de caractéristiques particulières à ce deuxième exemple d'un mode de réalisation de la présente invention.

La Figure 2 présente une variante d'un mode de réalisation d'un capteur 200 selon l'invention dans une vue plane semblable à celle de la Figure 1. Ainsi, le capteur 200 comprend une inductance 201, qui, comme l'inductance 101 du mode de réalisation précédent, est essentiellement agencée sur un premier plan d'un substrat porteur. L'inductance 201 est de géométrie spirale circulaire, et ses plus petit et plus grand rayons,

correspondant donc aux périphéries extérieure et intérieure de la double spirale décrite par l'inductance 201, peuvent être choisis sur la base de critères similaires à ceux des dimensions de l'inductance 101 du mode de réalisation exemplaire illustré à la Figure 1, à savoir de préférence afin de ne pas gêner la vision d'un patient portant une lentille munie d'un capteur 200, en particulier dans l'obscurité ou dans des conditions de faible éclairage.

Comme l'inductance 101 du mode de réalisation illustré à la Figure 1, l'inductance 201 peut comporter deux terminaux 206a, 206b situés sur le rayon le plus grand de l'inductance 201, c'est-à-dire sur sa périphérie extérieure. De même, l'inductance 201 comprend une première spire 202 démarrant au premier terminal 206a et tournant en spirale vers le rayon le plus petit correspondant à la périphérie intérieure de l'inductance 201, puis se prolongeant par une deuxième spire 203, tournant toujours dans le même sens spiral, mais depuis la périphérie intérieure vers le deuxième terminal 206b situé proche du premier terminal 206a sur la périphérie extérieure de l'inductance 201. Suivant une variante d'un aspect de l'invention, les spires 202, 203 s'entrecroisent dans au moins une zone de croisement 209a, 209d, qui, dans le cas illustré à la Figure 2, sont en particulier au nombre de deux et sont en outre diamétralement opposées. Dans des variantes de modes de réalisation, il se pourrait qu'un capteur selon l'invention comporte plus ou moins de zones de croisement, et que le ou les croisements soient agencés à différents endroits de l'inductance 201, mais pas nécessairement de manière diamétralement opposée. Un agencement des zones de croisement 209a, 209d comme à la Figure 2, et donc diamétralement opposé, est cependant préféré pour des raisons de symétrie qui facilitent le cintrage du capteur 200.

Comme dans l'exemple précédent d'un mode de réalisation de la présente invention, afin de faciliter le croisement des spires 202, 203 de l'inductance 201, l'une des spires 202 et 203, ici la spire 203, peut être composée d'une succession de segments de spire reliés au moyen de vias conducteurs 207a, 207d et, le cas échéant, de traces conductrices 208a, 208d. Comme dans le mode de réalisation illustré à la Figure 1, dans des variantes il se pourrait que la spire 202 ou bien les deux spires 202, 203 soient ainsi composées d'une pluralité de segments de spire. Pour des soucis de clarté de la Figure 2, seuls quelques-uns de ces vias conducteurs 207a, 207d et quelques-unes des traces conductrices 208a, 208d sont indiqués avec le même signe de référence, mais l'homme de l'art comprendra que chaque croisement entre la spire 202 et la spire 203 est réalisé au moyen de deux vias conducteurs 207a ou 207d reliant deux segments successifs de la

spire 203 à une trace conductrice correspondante 208a ou 208d agencée dans un deuxième plan du substrat porteur, qui est parallèle au premier plan, à savoir celui sur lequel sont agencées les spires 202, 203. Ainsi les nombreuses traces conductrices 208a, 208d sont agencées au niveau des zones de croisement 209a, 209d respectives et sont de préférence séparées de la première spire 202 et/ou des segments de la deuxième spire 203 par un milieu diélectrique, qui peut être par exemple, mais de manière non exclusive, le substrat porteur. De cette manière l'inductance 201 est agencée essentiellement sur un premier plan du substrat porteur, et les connexions électriques sont agencées essentiellement sur un deuxième plan du substrat porteur, qui est essentiellement parallèle au premier plan, comme l'illustre la Figure 2.

Conformément à une variante de l'invention, les spires 202, 203 de l'inductance 201 du mode de réalisation illustré à la Figure 2 sont regroupées en « paquets » ou en « séries » ou en « anneaux » de tours de spire 220a, 220b, 220c concentriques et espacés du paquet ou de l'anneau suivant par des interstices 214a, 214b plus larges que les interstices simples séparant deux tours de spire successifs au sein d'un même paquet ou anneau de tours de spire 220a, 220b, 220c. Suivant une option de cette variante d'un mode de réalisation illustrée à la Figure 2, les spires 202, 203 sont agencées en trois anneaux de tours de spire 220a, 220b, 220c, mais d'autres variantes pourraient ne comprendre qu'une double spirale sans séparations préférentielles, autrement dit une seule série ou un seul anneau de tours de spire, comme la variante illustrée à la Figure 1. D'autres variantes encore pourraient comporter davantage que trois anneaux de tours de spire 220a, 220b, 220c, par exemple quatre ou cinq, voire plus. L'agencement en trois anneaux de tours de spire 220a, 220b, 220c illustré à la Figure 2 est avantageux car il donne une flexibilité améliorée au capteur 200 par rapport à des capteurs à géométrie spirale connus de l'état de l'art.

Suivant une autre option de l'invention, chaque anneau de tours de spire 220a, 220b, 220c comporte de trois à dix tours de spire. Dans une variante, il serait donc possible d'avoir par exemple de trois à quatre tours de spire pour les couronnes ou anneaux de tours de spire 220a, 220b les plus à l'extérieur et par exemple jusqu'à dix tours de spire pour la couronne ou l'anneau de tours de spire 200c la/le plus à l'intérieur. Dans l'exemple représenté à la Figure 2, les séries ou anneaux de tours de spire 220a et 220b les plus à l'extérieur du capteur 200 comportent cinq tours de spire chacune, tandis que l'anneau de tours de spire 220c le plus au centre du capteur 200 comporte sept tours de spire. Cet agencement est avantageux lors du cintrage du capteur 200, mais il est

également possible d'utiliser d'autres agencements dans lesquels les anneaux de tours de spire 220a, 220b, 220c ont tous des nombres de tours de spire différents ou bien dans lesquels l'un des anneaux 220b, 220c n'étant pas l'anneau 220a le plus au centre aurait plus de tours de spire que l'anneau 220a le plus au centre du capteur 200.

Selon une autre option de cette variante, les anneaux de tours de spire 220a, 220b, 220c sont reliés entre eux par des ponts conducteurs 209a', 209d', qui sont réalisés par des croisements entre les spires 202, 203 de l'inductance 201 au moyen de traces conductrices 208a', 208d' plus longues que les traces conductrices 208a, 208d décrites précédemment pour relier les segments de spire 203 au niveau des croisements 209a, 209d avec la spire 202 au sein d'un même groupe de spires 220a, 220b, 220c. Selon une variante avantageuse de ce mode de réalisation et comme l'illustre la Figure 2, les ponts conducteurs 209a', 209d' peuvent être agencés de manière diamétralement opposée sur le capteur 200, en particulier au niveau des zones de croisement 209a, 209d. Il est toutefois possible de ne pas agencer les ponts conducteurs 209a', 209d' suivant les rayons correspondant aux zones de croisement 209a, 209d, mais des les agencer sur d'autres rayons du capteur 200, pas nécessairement à 180° l'un de l'autre. L'agencement illustré à la Figure 2 est toutefois avantageux en ce que la symétrie du capteur 200 offre une meilleure flexibilité qu'un agencement non symétrique des ponts conducteurs 209a', 209d' et/ou des zones de croisement 209a, 209d.

Il est préférable en outre que deux anneaux de tours de spire successifs, par exemple les anneaux 220a et 220b, soient reliés entre eux par un seul pont conducteur 209d', et que ce pont conducteur 209d' soit agencé à 180° du prochain pont conducteur 209a', qui est celui reliant la série ou l'anneau de tours de spire 220b à l'anneau de tours de spire 220c suivant. La structure d'un capteur 200 selon cette variante d'un mode de réalisation l'invention a l'avantage de laisser un choix d'interstices 214a, 214b préférentiels pour la réalisation d'au moins une découpe dans le substrat porteur selon le concept inventif de la présente demande. En particulier, cette structure à agencement en groupes de tours de spire 220a, 220b, 220c a également l'avantage d'offrir une meilleure flexibilité lors du cintrage du capteur 200 pour incorporation dans une lentille de contact par rapport à des capteurs de géométrie spirale circulaire connus de l'état de l'art.

Ainsi, selon l'invention, il est possible de réaliser au moins une découpe 215a, 215b ou 215c du substrat porteur dans au moins l'un des interstices 214a, 214b entre chaque anneau de tours de spire 220a, 220b, 220c. La présence d'au moins une découpe 215a, 215b, 215c donne, lors du cintrage du capteur 200 pour incorporation dans une

lentille de contact, une forme en « anneaux concentriques attachés » qui offre davantage de flexibilité que les capteurs passifs connus de l'état de l'art. Une découpe 215a, 215b, 215c suffit pour fournir cet avantage de l'invention, mais un capteur 200 présentant plus qu'une découpe réalise également le concept inventif et offre encore plus de flexibilité qu'un capteur connu de l'état de l'art étant donné que sa structure en anneaux concentriques attachés est encore plus avantageuse pour son cintrage et son incorporation dans une lentille de contact. Dans le cas illustré à la Figure 2, l'au moins une découpe est préférablement réalisée dans un interstice 214a, 214b, choisi préférablement entre deux anneaux de tours de spire 220a, 220b, 220c. Cependant, il serait également possible de réaliser au moins une découpe dans un interstice plus petit, entre deux tours de spire au sein d'un même anneau de tours de spire 220a, 220b, 220c.

La Figure 2 illustre plusieurs types de découpes 215a, 215b, 215c possibles qui peuvent être combinées entre elles ou prises séparément. Un premier type de découpe 215c est illustré dans l'interstice 214b entre les anneaux 220b et 220c. La découpe 215c est réalisée d'une seule traite, en arc de cercle suivant l'interstice 214b, épargnant toutefois la zone autour du pont conducteur 209a' reliant les anneaux 220b et 220c. En revanche, dans l'interstice 214a entre les anneaux 220a et 220b, deux segments de découpe 215a, 215b sont illustrés, avec un pont 221 en substrat porteur illustré en pointillés entre les deux, et en épargnant toujours une zone autour du pont conducteur 209d' reliant les deux anneaux 220a, 220b. Ainsi, il est également possible de diviser l'au moins une découpe selon l'invention en plusieurs segments 215a, 215b en laissant des espaces 221 entre chaque segment 215a, 215b. La Figure 2 n'illustre deux découpes 215a, 215b en arc de cercle le long de l'interstice 214a, mais il est possible d'avoir davantage de segments prédécoupés dans un même interstice 214a ou 214b. Lors du cintrage du capteur 200 pour incorporation dans une lentille de contact, la force exercée sur le capteur 200 pourra alors déchirer le ou les ponts 221 de substrat porteur afin de réaliser une seule découpe tout le long de l'interstice 214a, mis à part autour du pont conducteur 209d' associé. Au moment de son incorporation dans une lentille de contact, un capteur 200 selon l'invention sera donc avantageusement plus flexible qu'un capteur connu de l'état de l'art et donc plus apte à adopter la géométrie de calotte sphérique de la lentille de contact.

D'après un autre aspect de l'invention, comme le capteur 100 du mode de réalisation illustré à la Figure 1, le capteur 200 du mode de réalisation illustré à la Figure 2 peut aussi comprendre au moins un condensateur 211 dont les deux électrodes 211a,

211b sont reliées aux terminaux 206a, 206b de l'inductance 201 par des vias conducteurs 212a, 212b et des traces conductrices 213a, 213b jouant un rôle analogue à celui des vias conducteurs 112a et/ou 112c et 112b et des traces conductrices du mode de réalisation illustré á la Figure 1. Afin de préserver la flexibilité avantageuse de la structure des ponts conducteurs 209a', 209d', contrairement au condensateur 111 agencé à l'intérieur du capteur 100 illustré à la Figure 1, le condensateur 211 est agencé sur une périphérie extérieur du capteur 200. Il est toujours possible d'utiliser davantage de condensateurs dans des capteurs 100, 200 selon l'invention, par exemple dans le but d'améliorer la sensibilité dudit capteur 100, 200. Mis à part leur agencement à l'extérieur de l'inductance 201, les électrodes 211a, 211b du condensateur 211 du deuxième mode de réalisation reprennent l'essentiel des caractéristiques déjà mentionnées pour le condensateur 111 du premier mode de réalisation, à savoir que leur géométrie suit celle de l'inductance 201 et qu'elles sont agencées sur deux plans parallèles du substrat porteur. Ainsi, dans le mode de réalisation illustré à la Figure 2, les électrodes 211a, 211b sont en arc de cercle, et sont agencées de préférence, mais pas nécessairement, l'une, ici l'électrode 211a, sur le même plan que les spires 202, 203, et l'autre, ici l'électrode 211b, sur le plan des traces conductrices 208a, 208d, 208a', 208d'. Le substrat porteur, et le cas échéant aussi d'autres substrats, peut alors servir de milieu diélectrique entre les électrodes 211a, 211b du condensateur 211, et/ou de milieu diélectrique au niveau des zones de croisement 209a, 209d et/ou des ponts conducteurs 209a', 209d' entre les traces conductrices 208a, 208d, 208a', 208d' et les spires 202, 203.

La Figure 3 illustre une variante d'un mode de réalisation du capteur 200 illustré à la Figure 2. La plupart des éléments du capteur 300 du mode de réalisation illustré à la Figure 3 sont identiques ou similaires à ceux du capteur 200 du mode de réalisation illustré à la Figure 2. En particulier, par opposition à la géométrie essentiellement étoilée du capteur 100 du mode de réalisation illustré à la Figure 1, la géométrie du capteur 300 illustré à la Figure 3 est essentiellement circulaire, essentiellement comme celle du capteur 200 illustré à la Figure 2. La description du mode de réalisation illustré à la Figure 3 sera donc orientée essentiellement autour de caractéristiques particulières à ce troisième exemple d'un mode de réalisation de la présente invention.

La Figure 3 présente donc une variante d'un mode de réalisation d'un capteur 300 selon l'invention dans une vue tridimensionnelle mais néanmoins semblable à celle de la Figure 2. Il est donc renvoyé à la description précédente pour les détails concernant les caractéristiques communes entre l'exemple de mode de réalisation illustré à la Figure 3 et

celui illustré à la Figure 2, ainsi que pour les détails concernant d'autres caractéristiques optionnelles.

La différence essentielle entre le capteur 300 du mode de réalisation illustré à la Figure 3 et le capteur 200 du mode de réalisation illustré à la Figure 2 est que le capteur 300 comprend une inductance 301 ne comportant qu'une seule spire 302 au lieu de la double spire 202, 203 de l'inductance 201. Ainsi, comme l'illustre la Figure 3, le premier terminal 306a de la spire 302 de l'inductance 301 est agencé sur le rayon le plus grand de l'inductance 301 et donc sur sa périphérie extérieure, mais son deuxième terminal 306b est quant à lui agencé sur le rayon le plus petit de l'inductance 301 et donc sur sa périphérie intérieure. L'inductance 301 ne comprend donc pas de zones de croisement entre deux spires équivalentes aux zones de croisement 109a, 109d ou 209a, 209d des inductances 101, 201 des modes de réalisation précédents illustrés respectivement aux Figures 1 et 2. Cependant, comme dans les cas précédents, l'inductance 301 est agencée essentiellement sur un premier plan du substrat porteur. et les connexions électriques sont agencées essentiellement sur un deuxième plan du substrat porteur, qui est essentiellement parallèle au premier plan, comme l'illustre la Figure 3 et comme dans les cas précédents.

Conformément à une variante de l'invention, la spire 302 de l'inductance 301 du mode de réalisation illustré à la Figure 3 est divisée en paquets ou anneaux ou séries de tours de spire 320a, 320b, 320c concentriques, comparables aux paquets 220a, 220b, 220c de l'inductance 201 illustrée à la Figure 2, espacés du paquet suivant par des interstices 314a, 314b plus larges que les interstices simples séparant deux tours de spire successifs au sein d'un même paquet ou anneau de tours de spire 320a, 320b, 320c. Suivant une option de cette variante d'un mode de réalisation illustrée à la Figure 3, la spire 302 est agencée en trois anneaux de tours de spire 320a, 320b, 320c, mais d'autres variantes pourraient ne comprendre qu'une simple spirale sans séparations préférentielles, autrement dit une seule série ou un seul anneau de tours de spire. De même, comme dans le mode de réalisation illustré à la Figure 2, suivant une autre option de l'invention, chaque anneau de tours de spire 320a, 320b, 320c de l'inductance 301 du mode de réalisation illustré à la Figure 3 peut comporter de trois à dix tours de spire.

De manière analogue au cas précédent illustré à la Figure 2, selon une autre option de cette variante, les anneaux de tours de spire 320a, 320b, 320c sont reliés entre eux par des ponts conducteurs 309a', 309d' analogues aux ponts 209a', 209d' du cas précédent, mais qui cette fois-ci ne sont pas des croisements entre spires étant donné

que l'inductance 301 ne comprend qu'une seule spire 302. Comme dans le cas précédent et comme l'illustre la Figure 3, les ponts conducteurs 309a', 309d' peuvent être agencés de manière diamétralement opposée sur le capteur 300 mais pourraient néanmoins être agencés autrement, en particulier sur d'autres rayons du capteur 300, à savoir pas nécessairement à 180° l'un de l'autre.

Ainsi, selon l'invention et comme l'illustre en outre également la Figure 3, il est possible de réaliser au moins une découpe 315a, 315b du substrat porteur dans au moins l'un des interstices 314a, 314b entre chaque anneaux de tours de spire 320a, 320b, 320c, ce qui présente les mêmes avantages que pour les modes de réalisation décrits précédemment grâce à la forme en « anneaux concentriques attachés » ainsi obtenue. Comme pour le cas illustré à la Figure 2, dans le cas du capteur 300 du mode de réalisation représenté à la Figure 3, les découpes 315a, 315b peuvent être réalisées d'une seule traite ou bien par segments ou bien peuvent ne pas être réalisées sur toute l'épaisseur du substrat porteur. Il est donc renvoyé à la description précédente pour plus de détails. Ainsi, si au moins l'une des découpes 315a, 315b est réalisée par segments ou bien n'est pas réalisée sur toute l'épaisseur du substrat porteur, lors du cintrage du capteur 300 pour incorporation dans une lentille de contact, la force exercée sur le capteur 300 pourra alors déchirer le ou les ponts de substrat porteur afin de réaliser une seule découpe, le cas échéant, tout le long d'un interstice 314a, 314b, mis à part autour du pont conducteur 209a', 209d' associé, ou bien sur toute l'épaisseur du substrat porteur. Au moment de son incorporation dans une lentille de contact, un capteur 300 selon l'invention sera donc avantageusement plus flexible qu'un capteur connu de l'état de l'art et donc plus apte à adopter la géométrie de calotte sphérique de la lentille de contact.

D'après un autre aspect de l'invention, comme le capteur 200 du mode de réalisation illustré à la Figure 2, le capteur 300 du mode de réalisation illustré à la Figure 3 peut aussi comprendre au moins un condensateur 311 agencé à l'extérieur de l'inductance 301 et dont les deux électrodes 311a, 311b sont reliées aux terminaux 306a, 306b de l'inductance 301 par les vias conducteurs 312a, 312b et les traces conductrices 313a, 313b. Dans le cas illustré à la Figure 3, étant donné que le deuxième terminal 306b est sur le rayon le plus petit de l'inductance 301, il est avantageux d'agencer la trace conductrice 313b le reliant à l'électrode 311b sur le même deuxième plan du substrat porteur que celle-ci. La Figure 3 illustre alors un exemple avantageux dans lequel la trace conductrice 313b est agencée sur le deuxième plan du substrat porteur, est de géométrie

arquée et suit essentiellement le groupe de spires 320b, qui est agencé sur le premier plan du substrat porteur, sur un demi-tour de spire depuis le pont conducteur 309d' jusqu'au point 309a' où elle rejoint l'électrode 311b du condensateur 311. Ainsi, comme dans les cas précédents, le substrat porteur peut également servir de milieu diélectrique entre les traces conductrices 313a, 313b et la spire 302 de l'inductance, mais également de milieu diélectrique entre les électrodes 311a, 311b du condensateur 311. Mis à part la connexion aux bornes 306a, 306b de l'inductance 301 qui est différente, le condensateur 311 du mode de réalisation illustré à la Figure 3 reprend essentiellement les caractéristiques déjà mentionnées pour le condensateur 211 du deuxième mode de réalisation.

Les Figures 2 et 3 illustrent en outre une découpe 222, 322 respective du substrat porteur le long du périmètre intérieur du capteur 200, 300 ainsi qu'une découpe 223, 323 le long du périmètre extérieur du capteur 200, 300. Dans les cas illustrés aux Figures 2 et 3, ces découpes 222, 223 et 322, 323 sont circulaires et suivent la géométrie du capteur 200, respectivement du capteur 300. Elles pourraient néanmoins adopter d'autres formes géométriques. Par exemple, des découpes analogues (non illustrées) pourraient être réalisées dans le cas du capteur 100 du mode de réalisation illustré à la Figure 1 et pourraient par exemple suivre la géométrie essentiellement étoilée de ce capteur 100. Cependant, il est aussi envisageable que des découpes analogues aux découpes 222, 223 ou 322, 323 effectuées sur le capteur 100 du mode de réalisation illustré à la Figure 1 soient de forme circulaires décrivant ainsi des cercles à l'intérieur et à l'extérieur du capteur 100, comme dans le cas des capteurs 200, 300.

Dans une variante des modes de réalisation de l'invention illustrés aux Figures 2 et 3, il serait possible, comme dans le mode de réalisation illustré à la Figure 1, de réaliser au moins une découpe entre l'au moins un condensateur 211, respectivement 311, et l'inductance 201, respectivement 301, afin d'accentuer encore davantage la structure en anneaux concentriques attachés et ainsi donner encore plus de flexibilité au capteur 200, respectivement au capteur 300.

En outre, il doit être noté que l'au moins une découpe 115a, 115b, 115c, 215a, 215b, 215c, 315a, 315b ou les combinaisons possibles de découpes 115a, 115b, 115c, 215a, 215b, 215c, 315a, 315b telles qu'illustrées aux Figures 1 à 3 décrivant des modes de réalisation possibles de la présente invention, n'ont pas besoin d'être effectuées sur toute l'épaisseur du substrat porteur. En effet au moment du cintrage du capteur 100, 200, 300 pour incorporation dans une lentille de contact, si le capteur 100, 200, 300 comporte

une ou plusieurs découpes 115a, 115b, 115c, 215a, 215b, 215c, 315a, 315b réalisées partiellement sur l'épaisseur du substrat porteur, la force exercée pour le cintrage du capteur 100, 200, 300 peut déchirer la ou les découpes 115a, 115b, 115c, 215a, 215b, 215c, 315a, 315b sur le reste de l'épaisseur du substrat, donnant ainsi la même structure d'anneaux concentriques attachés que dans le cas ou l'au moins une découpe serait réalisée à travers toute l'épaisseur du substrat porteur.

Les Figures 4A et 4B illustrent un exemple ne faisant pas partie de la présente invention mais qui est utile à sa compréhension. La Figure 4A reprend le concept des découpes dans un substrat tel que détaillé en particulier dans les modes de réalisation décrits à l'aide des Figures 2 et 3. La Figure 4B illustre ce qui est entendu par structure en « anneaux concentriques attachés » suite à la réalisation desdites découpes.

Ainsi, la Figure 4A illustre un disque ou plus particulièrement un anneau d'un substrat 400, dans lequel peuvent être effectuées, par exemple, deux découpes concentriques 404, 405 partielles. Par « partielles » il est entendu que les découpes 404, 405 ne s'étendent pas sur toute une circonférence de l'anneau 400 mais comprennent chacune un « pont » de substrat 406, 407 respectif, soit un segment non découpé. La Figure 4A illustre en outre que les découpes 404, 405 divisent l'anneau de substrat 400 en trois anneaux concentriques 401, 402, 403, qui peuvent être de largeurs variables en fonction des rayons auxquels sont réalisées les découpes 404, 405.

La Figure 4B illustre la structure dépliée 400' résultant des découpes 404, 405 dans l'anneau de substrat 400, à savoir un type de structure 400' en « anneaux concentriques attachés ». Comme l'illustre la Figure 4B, dans la structure 400', le pont de substrat 406 relient les anneaux 402 et 403, tandis que le pont de substrat 407 relie les anneaux 401 et 402. Il sera clair à l'homme de l'art que la structure 400' dépliée telle qu'illustrée à la Figure 4B, comprenant les découpes 404, 405, pourra mieux adopter une géométrie de calotte sphérique que le disque de substrat 400 initial avant la réalisation des découpes 404, 405.

De même, il sera clair à l'homme de l'art qu'un tel anneau de substrat 400 pourrait contenir un capteur 200, 300 comme ceux des modes de réalisation illustrés notamment aux Figures 2 ou 3 ou des variantes de ceux-ci, et fera donc le lien en particulier entre la découpe 404 et les découpes 215c ou 315b, et entre la découpe 405 et les découpes 215a, 215b ou 315a, respectivement. L'homme de l'art fera également le lien entre les anneaux de substrat concentriques 401, 402, 403 et les anneaux de tours de spire 220c,

220b, 220a ou 320c, 320b, 320a des modes de réalisation illustrés aux Figures 2 et 3, respectivement, ainsi que ce qui y est entendu par structure en « anneaux concentriques attachés ».

Il sera en outre également évident à l'homme de l'art que les Figures 4A et 4B n'illustrent qu'un exemple de découpes et de structure en anneaux concentriques attachés, et que d'autres exemples pourraient comporter plus ou moins de découpes et/ou de ponts de substrat non découpés pouvant donner à la structure dépliée une géométrie différente de celle illustrée à la Figure 4B, mais néanmoins semblable à celle-ci sur le principe. L'homme de l'art pourra donc également faire le lien avec le mode de réalisation illustré à la Figure 1 et ses variantes, et donc de manière plus générale comprendre les avantages liés à la réalisation de découpes dans au moins un interstice du substrat porteur entre deux tours de spire d'un capteur de pression intraoculaire selon la présente invention. Ainsi, il devient évident qu'au moment du cintrage dans une lentille de contact, les capteurs 100, 200, 300 des modes de réalisation illustrés aux Figures 1 à 3 peuvent adopter essentiellement une géométrie du type de celle illustrée à la Figure 4 et sont donc avantageux par rapport aux capteurs connus de l'état de l'art car ils permettent une meilleur incorporation dans une lentille de contact.

Par ses différents aspects, leurs variantes et combinaisons possibles, l'invention permet de résoudre des problèmes liés à la fabrication et à l'utilisation de capteurs passifs pour la surveillance de paramètres physiologiques tels que la pression intraoculaire, en particulier lors du cintrage du capteur pour incorporation ou moulage avec une lentille de contact. En effet, un capteur passif comprenant au moins une découpe selon l'invention pourra épouser la géométrie de calotte sphérique de la lentille de contact lors du moulage de manière améliorée par rapport à l'état de l'art grâce à sa structure avantageuse en anneaux concentriques attachés.

Tous les aspects de l'invention décrit précédemment peuvent être combinés afin d'obtenir davantage de variantes de capteur selon l'invention.

REVENDICATIONS

1. Capteur (100, 200, 300) de pression intraoculaire pour incorporation dans une lentille de contact, comprenant :

un substrat porteur, et

une inductance (101) agencée essentiellement sur un plan du substrat porteur et comportant au moins une spire (102, 103) décrivant une pluralité de tours de spire suivant une géométrie essentiellement spirale,

caractérisé en ce qu'au moins une découpe (115a) du substrat porteur est réalisée dans au moins un interstice (114a) entre deux tours de spire successifs de l'inductance (101).

2. Capteur (100, 200, 300) selon la revendication 1, comprenant en outre au moins un condensateur (111) avec une première électrode (111a) et une deuxième électrode (111b), **caractérisé en ce qu**'au moins l'une parmi les deux électrodes (111a, 111b) de l'au moins un condensateur (111) est agencée sur le même plan du substrat porteur que l'inductance (101).

3. Capteur (100) selon la revendication 2, caractérisé en ce qu'au moins une autre découpe (116a) est réalisée dans au moins un interstice entre ledit condensateur (111) et l'inductance (101).

4. Capteur (100, 200) selon l'une quelconque des revendications 1 à 3, **caractérisé en ce que** l'inductance (101) comprend une première spire (102) partant d'un premier terminal (106a) sur la partie la plus à l'extérieur de l'inductance (101) et tournant dans un premier sens spiral vers la partie la plus à l'intérieur de l'inductance (101), et une deuxième spire (103) prolongeant la première spire (102) suivant la même orientation spirale depuis la partie la plus à l'intérieur de l'inductance (101) vers un deuxième terminal (106b) sur la partie la plus à l'extérieur de l'inductance (101), et dans lequel les tours de spire de la première spire (102) et les tours de spire de la deuxième spire (103) s'entrecroisent dans au moins une zone de croisement (109a, 109d).

5. Capteur (200, 300) selon l'une quelconque des revendications précédentes, **caractérisé en ce que** l'inductance (201) est agencée en une pluralité d'anneaux

de tours de spire (220a, 220b, 220c) concentriques, de préférence entre deux et cinq anneaux de tours de spire (220a, 220b, 220c), préférablement trois anneaux de tours de spire (220a, 220b, 220c), espacés radialement par des interstices (214a, 214b) de largeur prédéterminée au moins égale ou supérieure à la largeur d'un interstice entre deux tours de spire d'un même anneau de tours de spire (220a, 220b, 220c), et en ce que l'au moins une découpe (215a) est réalisée au moins dans un interstice (214a) séparant deux anneaux de tours de spire.

6. Capteur (200, 300) selon la revendication 5, **caractérisé en ce que** chaque anneau de tours de spire (220a, 220b, 220c) comprend de trois à dix tours de spire.

7. Capteur (200, 300) selon l'une quelconque des revendications 5 ou 6, caractérisé en ce que l'anneau de tours de spire (220c) le plus au centre de la géométrie spirale de l'inductance (201) comporte davantage de tours de spire que les autres anneaux de tours de spire (220a, 220b).

8. Capteur (200, 300) selon l'une quelconque des revendications 5 à 7, **caractérisé en ce que** deux anneaux de tours de spire (220a, 220b) successifs sont reliés entre eux par au moins un pont conducteur (209d'), préférablement par un seul pont conducteur (209d'), en particulier par un seul pont conducteur (209d') agencé à 180° du prochain pont conducteur (209a') entre deux anneaux de tours de spire (220b, 220c), plus en particulier au niveau de zones de croisement (209a, 209d).

9. Capteur (100, 200) selon l'une quelconque des revendications 4 à 8, **caractérisé en ce qu'**au moins l'une parmi la première spire (102) et la deuxième spire (103) est composée d'une pluralité de segments de spire (103a, 103b) reliés dans les zones de croisement (109a, 109d).

10. Capteur (100, 200) selon l'une quelconque des revendications 4 à 9, **caractérisé en ce que** les croisements entre la première spire (102) et la deuxième spire (103), et le cas échéant les ponts conducteurs (209a', 209d') entre anneaux de tours de spire (220a, 220b, 220c), sont réalisés au moyen de vias conducteurs (1071a, 1072a, 1071d, 1072d, 207a, 207d) et de traces conductrices (1081a, 1081d, 208a, 208d, 208a', 208d').

11. Capteur (100, 200, 300) selon l'une quelconque des revendications 2 à 10, **caractérisé en ce que** chacune des électrodes (111a, 111b) de l'au moins un

condensateur (111) est reliée respectivement à un terminal (106a, 106b) de l'inductance (101).

12. Capteur (200) selon l'une quelconque des revendications précédentes, **caractérisé en ce que** l'au moins une découpe (215a, 215b) est réalisée par segments arqués successifs (215a, 215b) en laissant au moins un pont (221) de substrat porteur entre deux découpes successives (215a, 215b), de telle sorte l'au moins un pont (221) de substrat porteur se déchire lors du moulage du capteur (200) pour incorporation dans une lentille de contact, le cas échéant à l'exception des zones de croisement (209a, 209d) et des zones autour des ponts conducteurs (209a', 209d').

13. Capteur (100) selon l'une quelconque des revendications précédentes, **caractérisé en ce que** l'inductance (101) a une géométrie substantiellement étoilée.

14. Capteur (100, 200, 300) selon l'une quelconque des revendications 2 à 13, **caractérisé en ce que** l'au moins un condensateur (111) a une géométrie arquée suivant au moins partiellement la géométrie de l'inductance (101).

15. Lentille de contact, en particulier lentille de contact souple, comprenant un capteur (100, 200, 300) selon l'une quelconque des revendications précédentes, dans laquelle le capteur (100, 200, 300) est moulé à l'intérieur de la lentille.

16. Lentille de contact selon la revendication 15, dans laquelle l'inductance (101, 201, 301) est courbée perpendiculairement au premier plan du capteur suivant la courbure de la lentille.

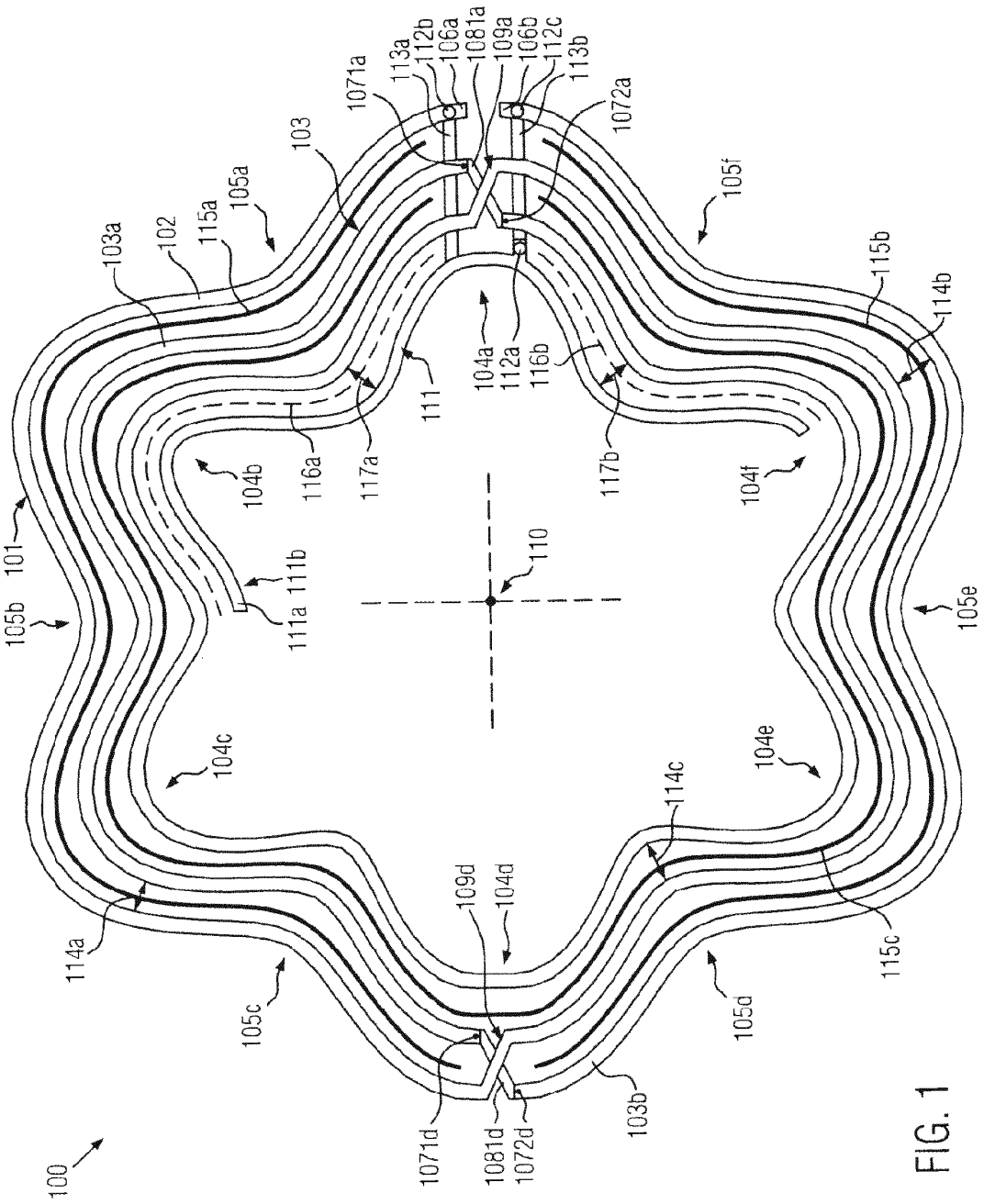

100
101
102
103
103a
103b
104a
104b
104c
104d
104e
104f
105a
105b
105c
105d
105e
105f
106a
106b
109a
109d
110
111
111a
111b
112a
112b
112c
113a
113b
114a
114b
114c
115a
115b
115c
116a
116b
117a
117b
1071a
1071d
1072a
1072d
1081a
1081d

FIG. 1

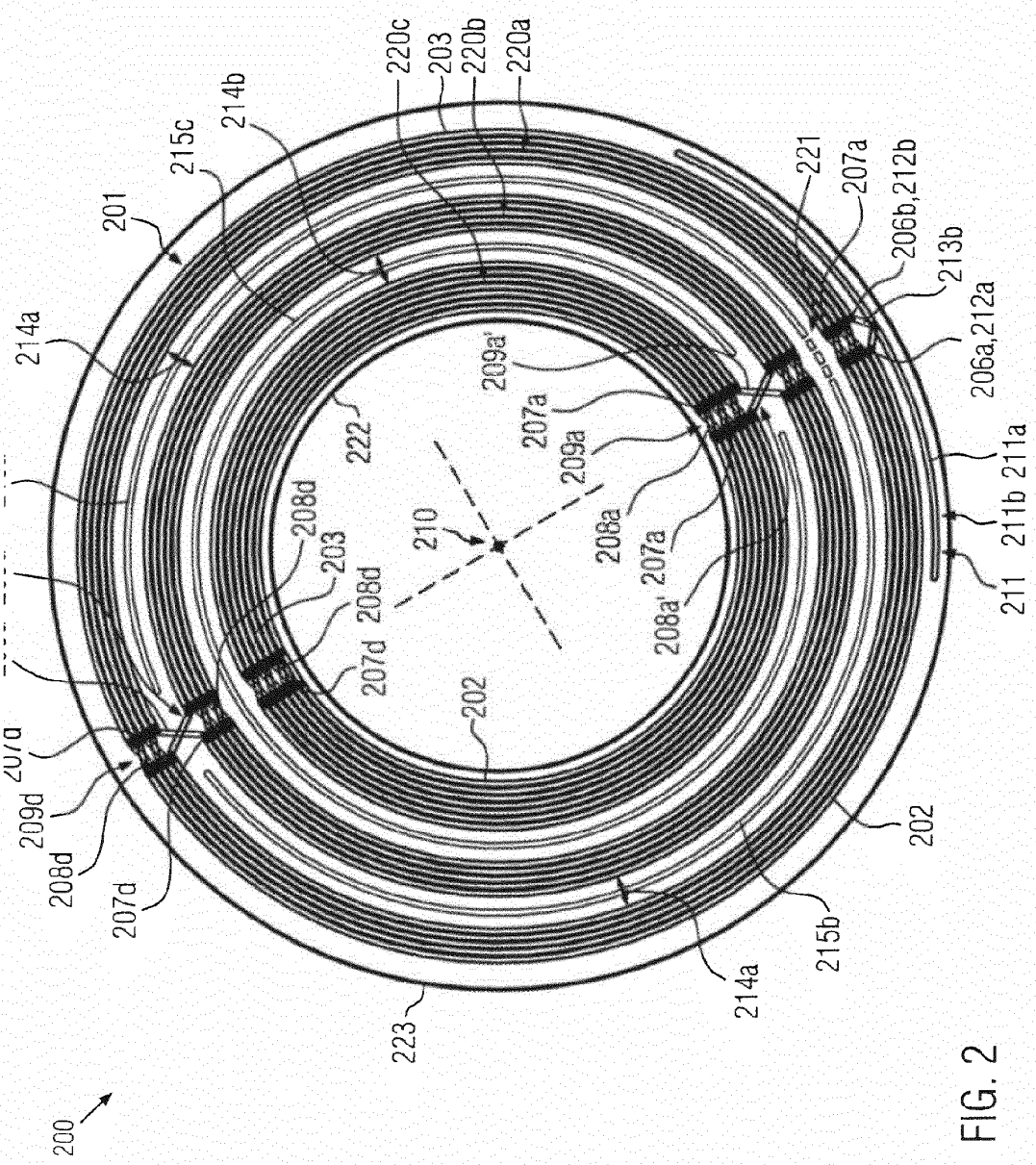

200
201
202
203
207d
208d
209d
210
211
211b
211a
213b
214a
214b
215b
215c
220a
220b
220c
221
222
223
206a,212a
206b,212b
207a
208a
208a'
209a
209a'

FIG. 2

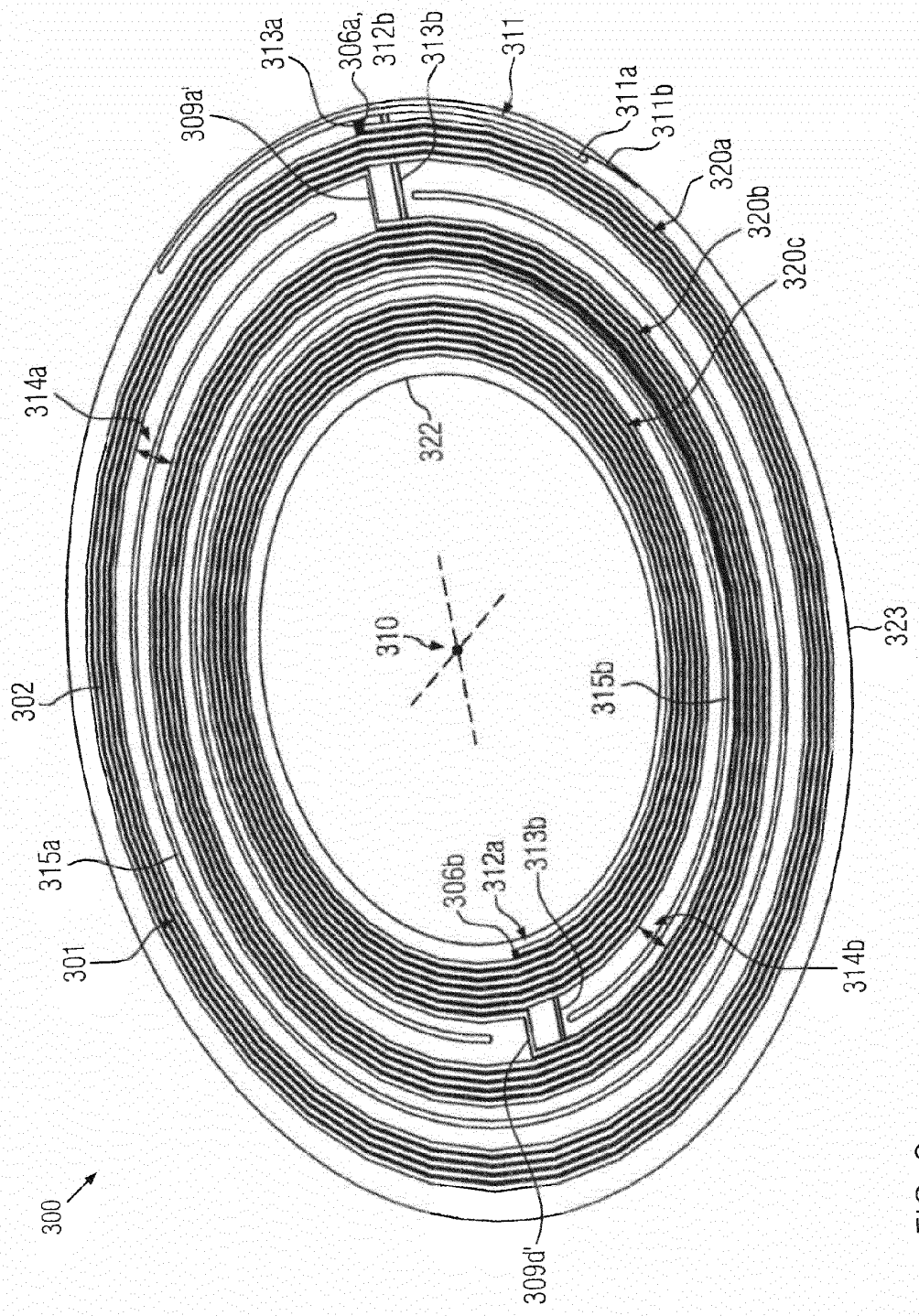

313a
306a,
312b
313b
311
309a'
311a
311b
320a
320b
320c
314a
322
323
310
315b
302
315a
306b
312a
313b
301
314b
300
309d'

FIG. 3

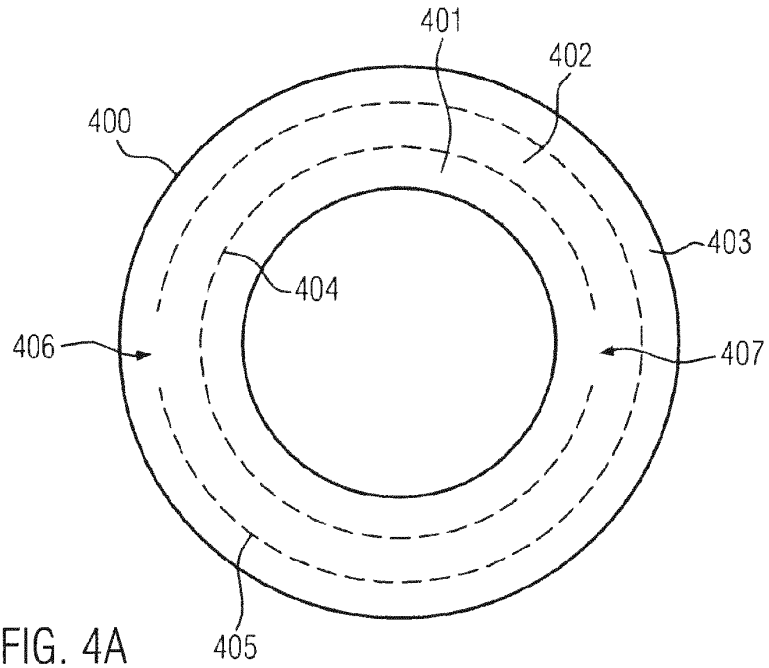


FIG. 4A

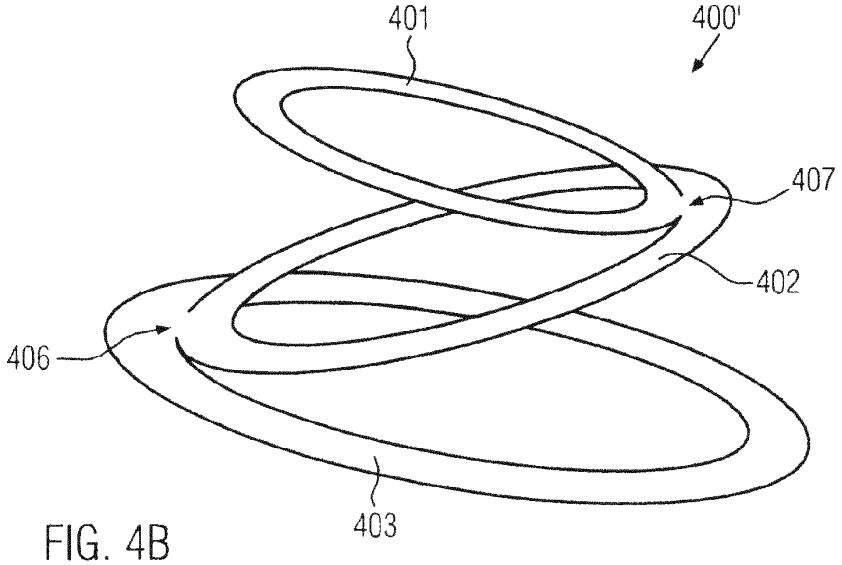


FIG. 4B

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2014/059644

A. CLASSIFICATION OF SUBJECT MATTER
INV. G02C7/04 A61B3/16
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/193674 A1 (FLEISCHMAN AARON J [US] ET AL) 19 December 2002 (2002-12-19) paragraphs [0036], [0040] - [0041]; figures 1-4	1-3,11, 13-16
X	EP 2 412 305 A1 (OPHTIMALIA [FR]) 1 February 2012 (2012-02-01) paragraphs [0073] - [0075]; claims 1-2,15-17; figures 1-8	1-16
Y	US 2011/069459 A1 (PADIY ALEXANDER [NL]) 24 March 2011 (2011-03-24) paragraphs [0003], [0007] - [0009], [0052]; claims 3-5; figures 3-4,8	1-3

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[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

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"P" document published prior to the international filing date but later than the priority date claimed

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Date of the actual completion of the international search	Date of mailing of the international search report
1 August 2014	14/08/2014

Name and mailing address of the ISA/	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Apostol, Simona

1

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2004/186366 A1 (LEONARDI MATTEO [CH] ET AL) 23 September 2004 (2004-09-23)	1-3
A	paragraph [0018] - paragraph [0034]; figure 3	4-16
X	EP 0 061 777 A2 (FRAUNHOFER GES FORSCHUNG [DE]) 6 October 1982 (1982-10-06) claims 1-5; figures 1-3	1-3
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A	DE 103 53 144 A1 (CRANIUM TELEMETRICS GMBH [DE]; MESOTEC GMBH GES FUER MEDIZINI [DE]) 2 June 2005 (2005-06-02) paragraphs [0014] - [0016]; figures 1-3	1

1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/EP2014/059644

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Form PCT/ISA/210 (patent family annex) (April 2005)

RAPPORT DE RECHERCHE INTERNATIONALE

Demande internationale n°
PCT/EP2014/059644

A. CLASSEMENT DE L'OBJET DE LA DEMANDE
INV. G02C7/04 A61B3/16
ADD.

Selon la classification internationale des brevets (CIB) ou à la fois selon la classification nationale et la CIB

B. DOMAINES SUR LESQUELS LA RECHERCHE A PORTE

Documentation minimale consultée (système de classification suivi des symboles de classement)
A61B

Documentation consultée autre que la documentation minimale dans la mesure où ces documents relèvent des domaines sur lesquels a porté la recherche

Base de données électronique consultée au cours de la recherche internationale (nom de la base de données, et si cela est réalisable, termes de recherche utilisés)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERES COMME PERTINENTS

Catégorie*	Identification des documents cités, avec, le cas échéant, l'indication des passages pertinents	no. des revendications visées
X	US 2002/193674 A1 (FLEISCHMAN AARON J [US] ET AL) 19 décembre 2002 (2002-12-19) alinéas [0036], [0040] - [0041]; figures 1-4	1-3,11, 13-16
X	EP 2 412 305 A1 (OPHTIMALIA [FR]) 1 février 2012 (2012-02-01) alinéas [0073] - [0075]; revendications 1-2,15-17; figures 1-8	1-16
Y	US 2011/069459 A1 (PADIY ALEXANDER [NL]) 24 mars 2011 (2011-03-24) alinéas [0003], [0007] - [0009], [0052]; revendications 3-5; figures 3-4,8	1-3
Y	US 2004/186366 A1 (LEONARDI MATTEO [CH] ET AL) 23 septembre 2004 (2004-09-23)	1-3
A	alinéa [0018] - alinéa [0034]; figure 3	4-16

-/--

[X] Voir la suite du cadre C pour la fin de la liste des documents

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"&" document qui fait partie de la même famille de brevets

Date à laquelle la recherche internationale a été effectivement achevée	Date d'expédition du présent rapport de recherche internationale
1 août 2014	14/08/2014

Nom et adresse postale de l'administration chargée de la recherche internationale	Fonctionnaire autorisé
Office Européen des Brevets, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Apostol, Simona

1

Formulaire PCT/ISA/210 (deuxième feuille) (avril 2005)

RAPPORT DE RECHERCHE INTERNATIONALE

Demande internationale n°
PCT/EP2014/059644

C(suite). DOCUMENTS CONSIDERES COMME PERTINENTS

Catégorie*	Identification des documents cités, avec, le cas échéant, l'indication des passages pertinents	no. des revendications visées
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Renseignements relatifs aux membres de familles de brevets

Demande internationale n°
PCT/EP2014/059644

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 13/890,809	Filing Date 05/09/2013	☐ To be Mailed

ENTITY: ☑ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		x $80 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $420 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

AMENDMENT	04/20/2018	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 22	Minus	** 20	= 2		x $100 =	200
	Independent (37 CFR 1.16(h))	* 3	Minus	*** 3	= 0		x $460 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	200

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

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

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

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Document code: WFEE

United States Patent and Trademark Office
Sales Receipt for Accounting Date: 05/07/2018

JMCMILLA SALE #00000001 Mailroom Dt: 04/27/2018 501283 13890809
01 FC : 1202 200.00 DA

DocuSign Envelope ID: 2E8EEB2C-A496-4C6A-A7B3-BD5E4E45FD22

Document Description: Power of Attorney

PTO/AIA/82B (07-13)
Approved for use through 01/31/2018. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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POWER OF ATTORNEY BY APPLICANT

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

Application Number	Filing Date
13/890,809	05-09-2013

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

☑ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above: 149890

OR

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

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

☑ The address associated with the above-mentioned Customer Number

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

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

e-Vision, LLC

☐ Inventor or Joint Inventor (title not required below)

☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)

☑ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)

☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

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

Signature	DocuSigned by: Joel Zychick 159ACA3E660F485...	Date (Optional)	6/11/2018 11:33:14 AM PDT
Name	Joel Zychick		
Title	president		

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

☐ Total of forms are submitted.

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Electronic Acknowledgement Receipt	
EFS ID:	33202075
Application Number:	13890809
International Application Number:	
Confirmation Number:	9971
Title of Invention:	MOISTURE-RESISTANT EYE WEAR
First Named Inventor/Applicant Name:	Ronald D. Blum
Customer Number:	58249
Filer:	Christopher M. Colice/Lindsey Lovato
Filer Authorized By:	Christopher M. Colice
Attorney Docket Number:	EVSO-027/17US 320676-2202
Receipt Date:	17-JUL-2018
Filing Date:	09-MAY-2013
Time Stamp:	15:28:59
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	EVSO-027US17-POA.pdf	543562 2d2a4e0676109580b37851d9c2f0f742809 51877	no	1
Warnings:					

Information:	
Total Files Size (in bytes):	543562

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New Applications Under 35 U.S.C. 111

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

National Stage of an International Application under 35 U.S.C. 371

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

New International Application Filed with the USPTO as a Receiving Office

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

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/890,809	05/09/2013	Ronald D. Blum	EVSO-027/17US 320676-2202

CONFIRMATION NO. 9971

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

POA ACCEPTANCE LETTER

OC000000101111937

Date Mailed: 07/20/2018

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 07/17/2018.

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

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

/afessehaye/

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/890,809	05/09/2013	Ronald D. Blum	EVSO-027/17US 320676-2202

CONFIRMATION NO. 9971

POWER OF ATTORNEY NOTICE

OC000000101111909

58249
COOLEY LLP
ATTN: IP Docketing Department
1299 Pennsylvania Avenue, NW
Suite 700
Washington, DC 20004

Date Mailed: 07/20/2018

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 07/17/2018.

- The Power of Attorney to you in this application has been revoked by the applicant. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

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

/afessehaye/

To: docketing@smithbaluch.com,smith@smithbaluch.com,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 149890

Jul 20, 2018 04:02:00 AM

Dear PAIR Customer:

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

The following USPTO patent application(s) associated with your Customer Number, 149890 , have new outgoing correspondence. This correspondence is now available for viewing in Private PAIR.

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Application	Document	Mailroom Date	Attorney Docket No.
13890809	N570	07/20/2018	EVSO-027/17US 320676-2202
	N570	07/20/2018	EVSO-027/17US 320676-2202

To view your correspondence online or update your email addresses, please visit us anytime at https://sportal.uspto.gov/secure/myportal/privatepair.

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Monday - Friday 6:00 a.m. to 12:00 a.m.

Thank you for prompt attention to this notice,

UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM

Docket No.: EVSO-027US17
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Inventor:	Ronald BLUM	Confirmation No.:	9971
Application No.:	13/890,809	Group Art Unit:	2872
Filed:	May 9, 2013	Examiner:	G. W. O'Neill

For: MOISTURE-RESISTANT EYE WEAR

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

SUPPLEMENTAL AMENDMENT

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

Remarks begin on page 6 of this paper.

171255627 v1

Electronic Acknowledgement Receipt	
EFS ID:	33457473
Application Number:	13890809
International Application Number:	
Confirmation Number:	9971
Title of Invention:	MOISTURE-RESISTANT EYE WEAR
First Named Inventor/Applicant Name:	Ronald D. Blum
Customer Number:	149890
Filer:	Christopher M. Colice/Lindsey Lovato
Filer Authorized By:	Christopher M. Colice
Attorney Docket Number:	EVSO-027/17US 320676-2202
Receipt Date:	14-AUG-2018
Filing Date:	09-MAY-2013
Time Stamp:	13:20:56
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		EVSO-027US17_Supplemental_Amendment.pdf	514503 24f52842fd48c2899fc6c2715c138d56204ccf76	yes	6

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Applicant Arguments/Remarks Made in an Amendment	6	6
	Claims	2	5
	Supplemental Response or Supplemental Amendment	1	1
Warnings:			
Information:			
	Total Files Size (in bytes):	514503	

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New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

REMARKS

Applicant thanks Examiner O'Neill for calling the undersigned to discuss amendments that would place this application in condition for allowance. Per those conversations, Applicant understands that claims 1, 4, 10, 11, and 20–28 are allowable and that new independent claim 29 would be allowable if amended to recite "a capacitive touch switch" and to address potential indefiniteness issues. Applicant is amending the claims in line with Examiner O'Neill's suggestions.

In view of the foregoing, Applicant respectfully submits that no further impediments exist to the allowance of this application and, therefore, requests an indication of allowability. However, the Examiner is requested to call the undersigned if any questions or comments arise.

Dated: August 14, 2018

Respectfully submitted,
SMITH BALUCH LLP

SMITH BALUCH LLP
376 Boylston, Suite 401
Boston MA 02116

Tel: (617) 947-7280

Electronic signature: /Christopher Max Colice/
Christopher Max Colice
Reg. No. 65,634

IN THE CLAIMS:

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

1. (Previously Presented) An eyewear system comprising:

an eyewear frame;

an electronics assembly comprising electronic components configured to control an electrical functional member;

a capacitive touch switch coupled to at least one electronic component in the electronics assembly;

at least one electrical connective element electrically connected to the electronic assembly and the electrical functional member; and

a conformal layer over the electronic assembly to seal the electronic components;

wherein the conformal layer is moisture proof and seals electrical connections of the electronic component;

wherein the conformal layer is disposed in an enclosure of the eyewear frame;

wherein the eyewear frame comprises a temple; and

wherein the electronic assembly is enclosed in the temple.

2. (Canceled)

3. (Canceled)

4. (Previously Presented) The eyewear system of claim 1, wherein the electrical functional member comprises a lens.

5–9. (Canceled)

10. (Previously Presented) The eyewear system of claim 1, wherein the electrical functional member includes at least one of an electro-active lens, an electro-chromic lens, an electronic

display, a sensor, an imager, a GPS, an alarm, a hearing aid, a virtual reality function, an augmented reality function, a gaming function, an audio output function, a microphone function, a recording function, a transmitter function, a pedometer, and an active 3D function.

11. (Previously Presented) The eyewear system of claim 1, wherein the at least one electrical connective element is a conductive compressible member or a multi-conductor cable.

12–19. (Canceled)

20. (Previously Presented) The eyewear system of claim 1, wherein the electronic assembly comprises a micro-processor.

21. (Previously Presented) The eyewear system of claim 1, wherein the enclosure comprises at least one of an outer casing of the electronic assembly or a cavity of the eyewear frame.

22. (Previously Presented) The eyewear system of claim 1, wherein the conformal layer comprises at least one of an encasing layer or an encapsulating layer.

23. (Previously Presented) The eyewear system of claim 1, wherein the conformal layer protects the electronic components from external environmental damage.

24. (Previously Presented) The eyewear system of claim 1, wherein the conformal layer is a conformal coating.

25. (Previously Presented) The eyewear system of claim 24, wherein a thickness of the conformal coating is less than 1 mm.

26. (Previously Presented) The eyewear system of claim 24, wherein the conformal coating comprises at least one of an acrylic, urethane, silicone, or epoxy.

27. (Previously Presented) The eyewear system of claim 26, wherein the conformal coating is brush applied, spray applied, or dip applied.

28. (Previously Presented) A method of manufacturing an eyewear system comprising:

disposing a plurality of electronic components on a capacitive touch switch;

connecting the plurality of electronic components via electrical connections to form an electronic assembly;

depositing a conformal layer over at least a portion of the electronic assembly and at least a portion of the capacitive touch switch; and

coupling the electronic assembly and the capacitive touch switch with the conformal layer to an enclosure of an eyewear frame.

29. (Currently Amended) Eyewear comprising:

an eyewear frame comprising a temple;

a plurality of electronic components disposed within a cavity formed in the temple, the plurality of electronic components comprising (i) at least [[two]] one of a processor [[,]] or a controller, (ii) a memory, (iii) a power source, ~~a gyroscope,~~ (iv) an antenna, (v) at least one of a transmitter [[,]] or a receiver, and (vi) at least one of an accelerometer or a gyroscope;

a conformal coating, deposited over at least a portion of the plurality of electronic components, to protect the plurality of electronic components; and

a capacitive touch switch operably coupled to an electronic component in the plurality of electronic components.

30. (Previously Presented) The eyewear of claim 29, wherein the conformal coating exposes an electrical contact of the electronics assembly.

31. (Previously Presented) The eyewear of claim 29, wherein the conformal coating has a thickness of less than 1 mm.

32. (Previously Presented) The eyewear of claim 29, wherein the conformal coating has a thickness of less than 0.5 mm.

33. (Canceled)

34. (Currently Amended) The eyewear of claim [[33]] 29, wherein the electronic component is disposed on a surface of the capacitive touch switch.

35. (Currently Amended) The eyewear of claim [[33]] 29, wherein the conformal coating protects a portion of the capacitive touch switch.

36. (Currently Amended) The eyewear of claim [[33]] 29, wherein the capacitive touch switch is fit to the cavity in the temple.

37. (Currently Amended) The eyewear of claim [[33]] 29, wherein the capacitive touch switch is electrically connected to an electronic component disposed on the eyewear frame.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/890,809	05/09/2013	Ronald D. Blum	EVSO-027/17US 320676-2202	9971

149890 7590 08/31/2018

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

EXAMINER	
O'NEILL, GARY WILLIAM	

ART UNIT	PAPER NUMBER
2872	

NOTIFICATION DATE	DELIVERY MODE
08/31/2018	ELECTRONIC

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

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

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

smith@smithbaluch.com
docketing@smithbaluch.com

Applicant-Initiated Interview Summary	Application No.	Applicant(s)		
	13/890,809	BLUM ET AL.		
	Examiner	Art Unit	AIA (First Inventor to File) Status	Page
	GARY O'NEILL	2872	Yes	1 of 1

All participants (applicant, applicant's representative, PTO personnel):

1. GARY O'NEILL (Examiner); Telephonic
2. Christopher Max Colice (Attorney); Telephonic

Date of Interview: 13 August 2018

Claim(s) discussed: 29

Brief Description of main topic of discussion: We discussed the interpretation of the new claim 29.

Issues Discussed:

Claim Interpretation and/or scope:
Attorney Colice inquired concerning examiner ONeill's interpretation and comments on new claim 29 as filed 04/27/2018. Examiner ONeill said that the 'touch switch' limitation of claim 29 was broader than the other independent claims 1 and 28, in that those require a capacitive type of touch switch as arranged according to the entirety of those claims. Additionally examiner ONeill explained two possible interpretations of the Markush group in lines 4 and 5 of claim 29: it can either be understood as requiring a doubling of one of the members of the group (such as two processors), or alternatively could be interpreted as requiring at least two distinct members of the group (such as a processor and a controller). We discussed options for clarification of the claim scope.

Agreement was reached that Attorney Colice would discuss with Applicant the desired claim scope.

/GARY O'NEILL/ Examiner, Art Unit 2872	

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

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

Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicant's responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04

Please further see:

MPEP 713.04
Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b)
37 CFR § 1.2 Business to be transacted in writing

To: docketing@smithbaluch.com,smith@smithbaluch.com,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 149890

Aug 31, 2018 03:27:06 AM

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Application	Document	Mailroom Date	Attorney Docket No.
13890809	INTV.SUM.APP	08/31/2018	EVSO-027/17US 320676-2202

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NOTICE OF ALLOWANCE AND FEE(S) DUE

149890 7590 09/20/2018

SMITH BALUCH LLP
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STE 401
BOSTON, MA 02116

EXAMINER
O'NEILL, GARY WILLIAM

ART UNIT	PAPER NUMBER
2872	

DATE MAILED: 09/20/2018

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/890,809	05/09/2013	Ronald D. Blum	EVSO-027/17US 320676-2202	9971

TITLE OF INVENTION: MOISTURE-RESISTANT EYE WEAR

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1000	$0	$0	$1000	12/20/2018

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

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

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

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

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

PART B - FEE(S) TRANSMITTAL

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

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

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

149890 7590 09/20/2018
SMITH BALUCH LLP
376 BOYLSTON ST
STE 401
BOSTON, MA 02116

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

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

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

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nonprovisional	UNDISCOUNTED	$1000	$0	$0	$1000	12/20/2018

EXAMINER	ART UNIT	CLASS-SUBCLASS
O'NEILL, GARY WILLIAM	2872	351-158000

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

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

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

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

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

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

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

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

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

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

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

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149890 7590 09/20/2018

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

EXAMINER	
O'NEILL, GARY WILLIAM	
ART UNIT	**PAPER NUMBER**
2872	

DATE MAILED: 09/20/2018

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

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

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

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

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

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

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

Privacy Act Statement

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

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

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 13/890,809	Applicant(s) BLUM ET AL.	
	Examiner GARY O'NEILL	Art Unit 2872	AIA (First Inventor to File) Status Yes

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

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

1. ☒ This communication is responsive to *the supplmental amendment filed 08/14/18*.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on_____.
2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
3. ☒ The allowed claim(s) is/are *1, 4, 10, 11, 20-32 and 34-37*. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   Certified copies:

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

   * Certified copies not received: _____.

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

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

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

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 04/27/18
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
5. ☐ Examiner's Amendment/Comment
6. ☒ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/GARY O'NEILL/
Examiner, Art Unit 2872

DETAILED ACTION

Notice of Pre-AIA or AIA Status

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

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submissions filed on 04/27/18 and 8/14/18 have been entered.

Information Disclosure Statement

3. The information disclosure statement (IDS) submitted on 04/27/18 has been considered by the examiner.

Allowable Subject Matter

4. Claims 1, 4, 10, 11, 20-32 and 34-37 are allowed.

5. The reasons for allowance are as set forth in the first and third paragraphs of page 7 of Applicant's Remarks filed 04/27/18, and also the first paragraph of page 6 of Applicant's Supplemental Remarks, filed 08/14/18.

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

Any inquiry concerning this communication or earlier communications from the examiner should be directed to GARY O'NEILL whose telephone number is (313)446-6521. The examiner can normally be reached on Monday - Friday; EST 8:30-5PM.

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

If attempts to reach the examiner by telephone are unsuccessful, the examiner’s supervisor, Ricky Mack can be reached on 571-272-2333. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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

/GARY O'NEILL/
Examiner, Art Unit 2872
August 27, 2018

/RICKY MACK/
Supervisory Patent Examiner, Art Unit 2872

PTO/SB/08a (07-09)
Approved for use through 07/31/2016. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT LIST BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	13/890,809
	Filing Date	05-09-2013
	First Named Inventor	Ronald D. Blum
	Art Unit	2872
	Examiner Name	O'NEILL, GARY WILLIAM
	Attorney Docket Number	EVSO-027/17US 320676-2202

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code2 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/G.W.O/	1.	D755,281	05-03-2016	BLUM et al.	
	2.	4,873,029	10-10-1989	BLUM	
	3.	5,147,585	09-15-1992	BLUM	
	4.	5,178,800	01-12-1993	BLUM	
	5.	5,219,497	06-15-1993	BLUM	
	6.	5,526,067	06-11-1996	CRONIN et al.	
	7.	5,774,273	06-30-1995	BORNHORST	
	8.	5,861,934	01-19-1999	BLUM et al.	
	9.	6,136,926	12-26-2000	WATANABE	
	10.	6,142,941	11-07-2000	BENHALIMA et al.	
	11.	6,433,913	08-13-2002	BAUER et al.	
	12.	6,491,391	12-10-2002	BLUM et al.	
	13.	6,517,203	02-11-2003	BLUM, et al.	
	14.	6,619,799	09-16-2003	BLUM et al.	
	15.	6,733,130	05-11-2004	BLUM et al.	
	16.	6,778,246	08-17-2004	SUN et al.	
	17.	6,857,741	02-22-2005	BLUM et al.	
	18.	6,918,570	03-18-2004	BLUM, et al,	
	19.	6,927,894	08-09-2005	BLUM et al.	
	20.	7,018,040	03-28-2006	BLUM et al.	
	21.	7,023,594	04-04-2006	BLUM et al.	
/G.W.O/	22.	7,077,519	07-18-2006	BLUM et al.	

Examiner Signature:	/GARY W O'NEILL/	Date Considered	08/09/2018

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
[1]Applicant's unique citation designation number (optional). [2]See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3]Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4]For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5]Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6]Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours 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, 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 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /G.W.O/

PTO/SB/08a (07-09)
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Art Unit	2872
Examiner Name	O'NEILL, GARY WILLIAM
Attorney Docket Number	EVSO-027/17US 320676-2202

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code2 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/G.W.O/	23.	7,188,948	03-13-2007	BLUM et al.	
	24.	7,192,136	03-20-2007	HOWELL et al.	
	25.	7,195,353	03-27-2007	BLUM et al.	
	26.	7,234,809	06-26-2007	BLUM et al.	
	27.	7,255,437	08-14-2007	HOWELL et al.	
	28.	7,264,354	09-04-2007	BLUM et al.	
	29.	7,290,875	11-06-2007	BLUM et al.	
	30.	7,290,876	11-06-2007	DUSTON et al.	
	31.	7,374,283	05-20-2008	BLUM et al.	
	32.	7,380,936	06-03-2008	HOWELL et al.	
	33.	7,396,126	07-08-2008	BLUM et al.	
	34.	7,401,918	07-22-2008	HOWELL et al.	
	35.	7,404,636	07-29-2008	BLUM et al.	
	36.	7,438,410	10-21-2008	HOWELL et al.	
	37.	7,475,984	01-13-2009	BLUM et al.	
	38.	7,475,985	01-13-2009	BLUM et al.	
	39.	7,481,531	01-27-2009	HOWELL et al.	
	40.	7,500,746	03-10-2009	HOWELL et al.	
	41.	7,500,747	03-10-2009	HOWELL et al.	
	42.	7,517,083	04-14-2009	BLUM et al.	
	43.	7,533,993	05-19-2009	BLUM et al.	
/G.W.O/	44.	7,543,934	06-09-2009	HOWELL et al.	

Examiner Signature:	/GARY W O'NEILL/	Date Considered	08/09/2018

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
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	Application Number	13/890,809
	Filing Date	05-09-2013
	First Named Inventor	Ronald D. Blum
	Art Unit	2872
	Examiner Name	O'NEILL, GARY WILLIAM
	Attorney Docket Number	EVSO-027/17US 320676-2202

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/G.W.O/	45.	7,581,833	09-01-2009	HOWELL et al.	
	46.	7,588,332	09-15-2009	BLUM et al.	
	47.	7,604,349	10-20-2009	BLUM et al.	
	48.	7,621,634	11-24-2009	HOWELL et al.	
	49.	7,654,667	02-02-2010	BLUM et al.	
	50.	7,656,509	02-02-2010	HADDOCK et al.	
	51.	7,677,723	03-16-2010	HOWELL et al.	
	52.	7,728,949	06-01-2010	CLARKE et al.	
	53.	7,731,358	06-08-2010	BLUM et al.	
	54.	7,744,215	06-29-2010	BLUM et al.	
	55.	7,527,375	05-05-2009	BLUM et al.	
	56.	7,604,349	10-20-2009	BLUM et al.	
	57.	7,760,898	07-20-2010	HOWELL et al.	
	58.	7,771,046	08-10-2010	HOWELL et al.	
	59.	7,777,660	08-17-2010	CHEN et al.	
	60.	7,883,206	02-08-2011	BLUM et al.	
	61.	7,883,207	02-08-2011	IYER et al.	
	62.	7,883,206	02-08-2011	BLUM et al.	
	63.	7,922,321	04-12-2011	HOWELL et al.	
	64.	7,926,940	04-19-2011	BLUM et al.	
	65.	7,926,941	04-19-2011	BLUM et al.	
/G.W.O/	66.	7,971,994	07-05-2011	BLUM et al.	

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/G.W.O/	67.	7,988,286	08-02-2011	BLUM et al.	
	68.	8,047,651	11-01-2011	BLUM et al.	
	69.	8,066,373	11-29-2011	BLUM et al.	
	70.	8,075,132	12-13-2011	BLUM et al.	
	71.	8,092,016	01-10-2012	BLUM et al.	
	72.	8,109,629	02-07-2012	HOWELL et al.	
	73.	8,154,804	04-10-2012	McGINN et al.	
	74.	8,197,063	06-12-2012	IYER et al.	
	75.	8,215,770	07-10-2012	BLUM et al.	
	76.	8,317,321	11-27-2012	HADDOCK et al.	
	77.	8,319,937	11-27-2012	CLARKE et al.	
	78.	8,308,295	11-13-2012	BLUM et al.	
	79.	8,333,470	12-18-2012	BLUM et al.	
	80.	8,408,699	04-02-2013	BLUM et al.	
	81.	8,434,864	05-10-2011	GUPTA et al.	
	82.	8,337,013	12-25-2012	HOWELL et al.	
	83.	8,337,014	12-25-2012	KOKONASKI et al.	
	84.	8,430,507	04-30-2013	HOWELL et al.	
	85.	8,434,863	05-07-2013	HOWELL et al.	
	86.	8,465,151	06-18-2013	HOWELL et al.	
	87.	8,500,271	08-06-2013	HOWELL et al.	
/G.W.O/	88.	8,523,354	09-03-2013	HADDOCK et al.	

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/G.W.O/	89.	8,534,832	09-17-2013	GUPTA et al.	
	90.	8,573,774	11-05-2013	GUPTA et al.	
	91.	8,579,435	11-12-2013	BLUM et al.	
	92.	8,641,191	02-04-2014	BLUM et al.	
	93.	8,662,665	03-04-2014	IYER et al.	
	94.	8,678,581	03-25-2014	BLUM	
	95.	8,708,483	04-29-2014	KOKONASKI et al.	
	96.	8,770,742	07-08-2014	HOWELL et al.	
	97.	8,778,022	07-15-2014	BLUM et al.	
	98.	8,783,861	07-22-2014	BLUM et al.	
	99.	8,801,174	08-12-2014	WILEY	
	100.	8,827,446	09-09-2014	IYER et al.	
	101.	8,830,408	09-09-2014	HADDOCK et al.	
	102.	8,854,519	10-07-2014	DUSTON et al.	
	103.	8,905,541	12-09-2014	BLUM et al.	
	104.	8,915,588	12-23-2014	BLUM et al.	
	105.	8,921,445	12-30-2014	TURSHANI et al.	
	106.	8,928,796	01-06-2015	VAN HEUGTEN et al.	
	107.	8,931,896	01-13-2015	BLUM	
	108.	8,944,590	02-03-2015	BLUM et al.	
	109.	8,979,259	03-17-2015	HADDOCK et al.	
/G.W.O/	110.	9,022,563	05-05-2015	BLUM et al.	

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/G.W.O/	111.	9,028,062	05-12-2015	KOKONASKI et al.	
	112.	9,033,494	05-19-2015	BLUM et al..	
	113.	9,074,040	07-07-2015	TURSHANI et al.	
	114.	9,081,208	07-14-2015	BLUM et al.	
	115.	9,096,026	08-04-2015	HALL et al.	
	116.	9,122,077	09-01-2015	GUPTA et al.	
	117.	9,122,083	09-01-2015	BLUM et al.	
	118.	9,124,796	09-01-2015	BLUM et al.	
	119.	9,142,329	09-22-2015	TRAJKOVSKA et al.	
	120.	9,146,407	09-29-2015	CLARKE et al.	
	121.	9,155,614	10-13-2015	BLUM et al.	
	122.	9,199,420	12-01-2015	TRAJKOVSKA et al.	
	123.	9,207,467	12-08-2015	GUPTA et al.	
	124.	9,229,248	01-05-2016	KOKONASKI et al.	
	125.	9,268,153	02-23-2016	BLUM et al.	
	126.	9,323,101	04-26-2016	BLUM et al.	
	127.	9,329,309	05-03-2016	VAN HEUGTEN et al.	
	128.	9,411,172	08-09-2016	HADDOCK et al.	
	129.	9,442,305	09-13-2016	BLUM et al.	
	130.	9,470,909	10-18-2016	WILLEY et al.	
	131.	9,588,396	03-07-2017	HADDOCK et al.	
/G.W.O/	132.	9,625,767	04-18-2017	DUSTON et al.	

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/G.W.O/	133.	9,690,117	06-27-2017	BLUM et al.	
	134.	9,712,738	07-18-2017	VAN HEUGTEN et al.	
	135.	9,801,709	10-31-2017	BLUM et al.	
	136.	2004/0223113	11-11-2004	BLUM et al.	
	137.	2005/0099594	05-12-2005	BLUM et al.	
	138.	2005/0206844	09-22-2005	BLUM et al.	
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	140.	2005/0225823	10-13-2005	LING et al.	
	141.	2005/0078274	04-14-2005	HOWELL et al.	
	142.	2006/0066808	03-30-2006	BLUM et al.	
	143.	2006/0092340	05-04-2006	BLUM et al.	
	144.	2006/0095128	05-04-2006	BLUM et al	
	145.	2006/0238701	10-26-2006	BLUM	
	146.	2007/0030442	02-08-2007	HOWELL et al.	
	147.	2007/0159562	07-12-2007	HADDOCK et al.	
	148.	2007/0211207	09-13-2007	LO	
	149.	2008/0106694	05-08-2008	BLUM et al.	
	150.	2008/0129953	06-05-2008	BLUM et al.	
	151.	2008/0218684	09-11-2008	HOWELL et al.	
	152.	2008/0273167	11-06-2008	CLARKE	
	153.	2008/0273169	11-06-2008	BLUM et al.	
/G.W.O/	154.	2009/0015785	01-15-2009	BLUM et al.	

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/G.W.O/	155.	2009/0091818	04-09-2009	HADDOCK et al.	
	156.	2009/0120901	05-14-2009	WHITE et al.	
	157.	2009/0264966	10-22-2009	BLUM et al.	
	158.	2009/0296044	12-03-2009	HOWELL et al.	
	159.	2010/0002190	01-07-2010	CLARKE et al.	
	160.	2011/0249230	10-13-2011	BLUM	
	161.	2012/0019773	01-26-2012	BLUM et al.	
	162.	2012/0092775	04-19-2012	DUSTON et al.	
	163.	2012/0127423	05-24-2012	BLUM et al.	
	164.	2012/0140167	06-07-2012	BLUM	
	165.	2012/0212696	08-23-2012	TRAJKOVSKA et al.	
	166.	2012/0301604	11-29-2012	HALL et al.	
	167.	2012/0300171	11-29-2012	GUPTA et al.	
	168.	2013/0050639	02-28-2013	TRAJKOVSKA et al.	
	169.	2013/0070198	03-21-2013	WILLEY et al.	
	170.	2013/0208238	08-15-2013	KOKONASKI et al.	
	171.	2013/0215374	08-22-2013	BLUM et al.	
	172.	2013/0235332	09-12-2013	BLUM et al.	
	173.	2013/0242253	09-19-2013	BLUM et al.	
	174.	2013/0250135	09-26-2013	BLUM et al.	
	175.	2013/0282117	10-24-2013	VAN HEUGTEN et al.	
/G.W.O/	176.	2013/0293825	11-07-2013	GUPTA et al.	

Examiner Signature:	/GARY W O'NEILL/	Date Considered	08/09/2018

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[1]Applicant's unique citation designation number (optional). [2]See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3]Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4]For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5]Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6]Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours 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, 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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PTO/SB/08a (07-09)
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INFORMATION DISCLOSURE STATEMENT LIST BY APPLICANT
(Use as many sheets as necessary)

Complete if Known	
Application Number	13/890,809
Filing Date	05-09-2013
First Named Inventor	Ronald D. Blum
Art Unit	2872
Examiner Name	O'NEILL, GARY WILLIAM
Attorney Docket Number	EVSO-027/17US 320676-2202

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code2 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/G.W.O/	177.	2013/0329183	12-12-2013	BLUM et al.	
	178.	2013/0342807	12-26-2013	BLUM et al.	
	179.	2014/0036172	02-06-2014	TRAJKOVSKA et al.	
	180.	2014/0132916	05-15-2014	IYER et al.	
	181.	2014/0198370	07-17-2014	TRAJKOVSKA-BROACH et al.	
	182.	2014/0204333	07-24-2014	BLUM et al.	
	183.	2014/0237817	08-28-2014	TRAJKOVSKA-BROACH et al.	
	184.	2014/0293215	10-02-2014	DALL LONGA et al.	
	185.	2014/0313473	10-23-2014	WILLEY	
	186.	2014/0327875	11-06-2014	BLUM et al.	
	187.	2014/0327950	11-06-2014	TRAJKOVSKA-BROACH et al.	
	188.	2014/0347581	11-27-2014	HADDOCK et al.	
	189.	2015/0027613	01-29-2015	TRAJKOVSKA-BROACH et al.	
	190.	2015/0301338	10-22-2015	VAN HEUGTEN et al.	
	191.	2015/0335420	11-26-2015	BLUM et al.	
	192.	2015/0378177	12-31-2015	BLUM et al.	
	193.	2015/0378180	12-31-2015	BLUM et al.	
	194.	2016/0202399	07-14-2016	VAN HEUGTEN et al.	
	195.	2017/0031181	02-02-2017	BLUM et al.	
	196.	2017/0075141	03-16-2017	BLUM et al.	
	197.	2017/0172729	06-22-2017	BLUM et al.	
/G.W.O/	198.	2017/0176777	06-22-2017	BLUM et al.	

Examiner Signature:	/GARY W O'NEILL/	Date Considered	08/09/2018

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INFORMATION DISCLOSURE STATEMENT LIST BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	13/890,809
	Filing Date	05-09-2013
	First Named Inventor	Ronald D. Blum
	Art Unit	2872
	Examiner Name	O'NEILL, GARY WILLIAM
	Attorney Docket Number	EVSO-027/17US 320676-2202

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code2 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/G.W.O/	199.	2017/0108713	04-20-2017	BLUM et al.	
/G.W.O/	200.	2017/0205680	07-20-2017	TRAJKOVSKA-BROACH et al.	
/G.W.O/	201.	2017/0242317	08-24-2017	LI et al.	
/G.W.O/	202.	2017/0293197	10-12-2017	MILTON et al.	
/G.W.O/	203.	2017/0297283	10-19-2017	VAN HEUGTEN et al.	
	204.	2017/0336637	11-23-2017	VAN HEUGTEN et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
/G.W.O/	205.	DE 201 03 525 U1	03-13-2003	Eckert		Abstract
/G.W.O/	206.	GB 2 011 640 A	07-11-1979	Western Electric Co.		
/G.W.O/	207.	WO 99/01063 A1	01-14-1999	Acritec Gmbh		Abstract
/G.W.O/	208.	WO 2007/062601 A1	06-07-2007	Golden Technology Co., Ltd.		Abstract
/G.W.O/	209.	WO 2007/142602 A1	12-13-2007	Agency for Science, Technology and Research		
/G.W.O/	210.	WO 2008/002388 A2	01-03-2008	PixelOptics Inc		
/G.W.O/	211.	WO 2012/068527 A2	05-24-2012	PixelOptics Inc		
/G.W.O/	212.	WO 2014/184137 A1	11-20-2014	Ophtimalia		Abstract

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Examiner Signature:	/GARY W O'NEILL/	Date Considered	08/09/2018

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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13890809	BLUM ET AL.
	Examiner	Art Unit
	GARY O'NEILL	2872

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

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

CLAIM		DATE								
Final	Original	10/31/2014	06/24/2015	12/02/2015	06/20/2016	02/22/2017	12/19/2017	08/27/2018		
1	1	✓	✓	✓	✓	✓	✓	=		
	2	✓	✓	✓	✓	-	-	-		
	3	✓	✓	✓	-	-	-	-		
2	4	✓	✓	✓	✓	✓	✓	=		
	5	✓	✓	✓	✓	-	-	-		
	6	✓	✓	✓	✓	-	-	-		
	7	✓	✓	✓	✓	-	-	-		
	8	✓	✓	✓	✓	-	-	-		
	9	✓	✓	✓	✓	-	-	-		
3	10	✓	✓	✓	✓	✓	✓	=		
4	11	✓	✓	✓	✓	✓	✓	=		
	12	✓	✓	✓	✓	-	-	-		
	13	✓	✓	✓	✓	-	-	-		
	14		✓	✓	✓	-	-	-		
	15		✓	-	-	-	-	-		
	16		✓	✓	✓	-	-	-		
	17		✓	✓	✓	-	-	-		
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14	29							=		
15	30							=		
16	31							=		
17	32							=		
	33							-		
18	34							=		
19	35							=		
20	36							=		

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CLAIM		DATE								
Final	Original	10/31/2014	06/24/2015	12/02/2015	06/20/2016	02/22/2017	12/19/2017	08/27/2018		
21	37							=		

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13890809	BLUM ET AL.
	Examiner	**Art Unit**
	GARY O'NEILL	2872

CPC						
Symbol					**Type**	**Version**
G02C		11	/	10	F	2013-01-01
G02C		7	/	083	I	2013-01-01
G02C		7	/	101	I	2013-01-01
H01R		13	/	2414	A	2013-01-01
H01R		35	/	04	I	2013-01-01
G02B		27	/	017	I	2013-01-01
G02B		2027	/	0178	A	2013-01-01
G02B		2027	/	0134	A	2013-01-01
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CPC Combination Sets							
Symbol					**Type**	**Set**	**Ranking**	**Version**
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			/					

/GARY O'NEILL/ Examiner.Art Unit 2872	8/27/18	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	21	
/RICKY MACK/ Supervisory Patent Examiner.Art Unit 2872	09/04/2018	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	14

U.S. Patent and Trademark Office — Part of Paper No. 20180827

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13890809	BLUM ET AL.
	Examiner	**Art Unit**
	GARY O'NEILL	2872

US ORIGINAL CLASSIFICATION		INTERNATIONAL CLASSIFICATION										
CLASS	SUBCLASS	CLAIMED					NON-CLAIMED					
		G	0	2	C	11 / 00 (2006.01.01)						
CROSS REFERENCE(S)												
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)											

/GARY O'NEILL/ Examiner.Art Unit 2872	8/27/18	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	21	
/RICKY MACK/ Supervisory Patent Examiner.Art Unit 2872	09/04/2018	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	14

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	Examiner	**Art Unit**
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Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1		17		33										
	2		18	18	34										
	3		19	19	35										
2	4	5	20	20	36										
	5	6	21	21	37										
	6	7	22												
	7	8	23												
	8	9	24												
	9	10	25												
3	10	11	26												
4	11	12	27												
	12	13	28												
	13	14	29												
	14	15	30												
	15	16	31												
	16	17	32												

/GARY O'NEILL/ Examiner.Art Unit 2872	8/27/18	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	21	
/RICKY MACK/ Supervisory Patent Examiner.Art Unit 2872	09/04/2018	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	14

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BIB DATA SHEET

CONFIRMATION NO. 9971

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
13/890,809	05/09/2013 RULE	351	2872	EVSO-027/17US 320676-2202

APPLICANTS
E-Vision, LLC, Sarasota, FL;

INVENTORS
Ronald D. Blum, Roanoke, VA;
William Kokonaski, Gig Harbor, WA;
Claudio Dalla Longa, Roanoke, VA;
Mark Graham, Roanoke, VA;
Joshua Haddock, Roanoke, VA;
Charles Willey, Roanoke, VA;
Tiziano Tabacchi, Roanoke, VA;
Martin Bock, Roanoke, VA;
Massimo Pinazza, Roanoke, VA;
Scott N. Richman, Roanoke, VA;
Volkan Ozguz, roanoke, VA;

**** CONTINUING DATA ***************************
This application is a CIP of 13/587,645 08/16/2012 ABN
which claims benefit of 61/563,937 11/28/2011
and claims benefit of 61/537,205 09/21/2011
and claims benefit of 61/524,567 08/17/2011
and is a CIP of 13/372,240 02/13/2012 PAT 8801174
This application 13/890,809 05/09/2013
is a CIP of 13/726,267 12/24/2012 PAT 8708483
which is a CON of 12/834,526 07/12/2010 PAT 8337014
which is a CON of 12/054,299 03/24/2008 ABN
This application 13/890,809 05/09/2013
is a CIP of 13/372,240 02/13/2012 PAT 8801174
which claims benefit of 61/441,817 02/11/2011
This application 13/890,809 05/09/2013
is a CIP of 13/169,996 06/27/2011 ABN
which claims benefit of 61/382,963 09/15/2010
and claims benefit of 61/366,746 07/22/2010
and claims benefit of 61/358,447 06/25/2010
and is a CIP of PCT/US2011/029419 03/22/2011
This application 13/890,809 05/09/2013
is a CIP of 12/834,526 07/12/2010 PAT 8337014
which is a CON of 12/054,299 03/24/2008 ABN
This application 13/890,809 05/09/2013
is a CIP of 13/298,997 11/17/2011 PAT 8944590
which claims benefit of 61/481,353 05/02/2011
and claims benefit of 61/541,391 09/30/2011 ABN

**** FOREIGN APPLICATIONS ***************************

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ****
06/11/2013

BIB (Rev. 05/07).

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
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	Examiner	Art Unit
	GARY O'NEILL	2872

CPC- SEARCHED		
Symbol	Date	Examiner
G02C 11/06, 11/10	10/30/14	GO
UPDATED	6/24/15	GO
UPDATED	12/1/15	GO
G02C 11/00, 11/04	12/1/15	GO
UPDATED	6/19/16	GO
UPDATED	2/22/17	GO
UPDATED	12/19/17	GO
UPDATED	8/27/18	GO
G02C7/083, 101	8/27/18	GO

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
351	41-158,178	10/30/14	GO
	UPDATED	6/24/15	GO
	UPDATED	12/1/15	GO
	UPDATED	6/19/16	GO
	UPDATED	2/22/17	GO
	UPDATED	12/19/17	GO
	UPDATED	8/27/18	GO

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

SEARCH NOTES		
Search Notes	Date	Examiner

/GARY O'NEILL/ Examiner.Art Unit 2872	

SEARCH NOTES		
Search Notes	**Date**	**Examiner**
EAST BRS Search (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB) attached	10/30/14	GO
EAST BRS Search (Updated and attached)	6/24/15	GO
EAST BRS Search (Updated and attached)	12/1/15	GO
EAST BRS Search (Updated and attached)	6/20/16	GO
G02C 11/06, 11/10 (See search history printout)	10/30/14	GO
G02C 11/00, 11/04 (See search history printout)	12/1/15	GO
EAST BRS Search (Updated and attached)	2/22/17	GO
EAST BRS Search (Updated and attached)	12/19/17	GO
EAST BRS Search (Updated and attached)	8/27/18	GO
Consulted PE H.Dang per allowability	8/9/18	GO
G02C7/083, 101 (See search history printout)	8/27/18	GO

INTERFERENCE SEARCH			
US Class/ CPC Symbol	**US Subclass / CPC Group**	**Date**	**Examiner**
	EAST BRS Interference Search (US-PGPUB; USPAT) attached	8/27/18	GO
G02C	7/083, 101	8/27/18	GO
G02C	11/00,04,06,10	8/27/18	GO

/GARY O'NEILL/ Examiner.Art Unit 2872	

To: docketing@smithbaluch.com,smith@smithbaluch.com,
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Cc: PAIR_eOfficeAction@uspto.gov
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Sep 20, 2018 04:07:42 AM

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Application	Document	Mailroom Date	Attorney Docket No.
13890809	NOA	09/20/2018	EVSO-027/17US 320676-2202
	1449	09/20/2018	EVSO-027/17US 320676-2202

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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
13/890,809	05/09/2013	2872	1940	EVSO-027/17US 320676-2202	13	1

CONFIRMATION NO. 9971

CORRECTED FILING RECEIPT

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

OC000000102380129

Date Mailed: 09/25/2018

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

Ronald D. Blum, Roanoke, VA;
William Kokonaski, Gig Harbor, WA;
Claudio Dalla Longa, Roanoke, VA;
Mark Graham, Roanoke, VA;
Joshua Haddock, Roanoke, VA;
Charles Willey, Roanoke, VA;
Tiziano Tabacchi, Roanoke, VA;
Martin Bock, Roanoke, VA;
Massimo Pinazza, Roanoke, VA;
Scott N. Richman, Roanoke, VA;
Volkan Ozguz, roanoke, VA;

Applicant(s)

E-Vision, LLC, Sarasota, FL;

Power of Attorney: The patent practitioners associated with Customer Number 149890

Domestic Priority data as claimed by applicant

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which claims benefit of 61/563,937 11/28/2011
and claims benefit of 61/537,205 09/21/2011
and claims benefit of 61/524,567 08/17/2011
and is a CIP of 13/372,240 02/13/2012 PAT 8801174
This application 13/890,809
is a CIP of 13/726,267 12/24/2012 PAT 8708483
which is a CON of 12/834,526 07/12/2010 PAT 8337014
which is a CON of 12/054,299 03/24/2008 ABN

This application 13/890,809
is a CIP of 13/372,240 02/13/2012 PAT 8801174
which claims benefit of 61/441,817 02/11/2011
This application 13/890,809
is a CIP of 13/169,996 06/27/2011 ABN
which claims benefit of 61/382,963 09/15/2010
and claims benefit of 61/366,746 07/22/2010
and claims benefit of 61/358,447 06/25/2010
and is a CIP of PCT/US2011/029419 03/22/2011
This application 13/890,809
is a CIP of 12/834,526 07/12/2010 PAT 8337014
which is a CON of 12/054,299 03/24/2008 ABN
This application 13/890,809
is a CIP of 13/298,997 11/17/2011 PAT 8944590
which claims benefit of 61/481,353 05/02/2011
and claims benefit of 61/415,391 11/19/2010
This application 13/890,809
is a CIP of 13/298,992 11/17/2011 PAT 8905541
which is a CIP of 13/175,633 07/01/2011 PAT 8783861
and is a CIP of 13/175,634 07/01/2011 ABN
and is a CIP of 13/179,219 07/08/2011 PAT 8979259
This application 13/890,809
is a CIP of 13/866,575 04/19/2013 ABN
which claims benefit of 61/638,290 04/25/2012

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: No

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

If Required, Foreign Filing License Granted: 06/11/2013
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/890,809**
Projected Publication Date: Not Applicable
Non-Publication Request: No
Early Publication Request: No
Title

MOISTURE-RESISTANT EYE WEAR

Preliminary Class

351

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

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

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

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Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

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The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

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NOT GRANTED

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To: docketing@smithbaluch.com,smith@smithbaluch.com,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 149890

Sep 25, 2018 03:36:26 AM

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

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Application	Document	Mailroom Date	Attorney Docket No.
13890809	APP.FILE.REC	09/25/2018	EVSO-027/17US 320676-2202

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PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM

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REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	13/890,809	Filing Date	2013-05-09	Docket Number (if applicable)	EVSO-027US17	Art Unit	2872
First Named Inventor	Ronald D. Blum			Examiner Name	Gary William O'NEILL		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

☐ Other _____

☒ Enclosed

☒ Amendment/Reply

☐ Information Disclosure Statement (IDS)

☐ Affidavit(s)/ Declaration(s)

☒ Other Petition for Unintentionally Delayed Priority Claim

MISCELLANEOUS

☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____ (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

☐ Other _____

FEES

☐ **The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.**
The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No _____

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

☐ Applicant Signature

PTO/SB/30EFS (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Signature of Registered U.S. Patent Practitioner			
Signature	/Christopher Max Colice/	Date (YYYY-MM-DD)	2018-12-19
Name	Christopher Max Colice	Registration Number	65634

This collection of information is required by 37 CFR 1.114. 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.

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

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

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

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

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:	Ronald D. BLUM *et al.*	Confirmation No.	9971
Serial No.:	13/890,809	Group Art Unit:	2872
Filed:	May 9, 2013	Examiner:	Gary William O'NEILL

FOR: **ELECTRO-ACTIVE INTRAOCULAR LENSES**

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

PETITION TO ACCEPT AN UNINTENTIONALLY DELAYED PRIORITY CLAIM UNDER 37 C.F.R. § 1.78 AND REQUEST FOR CORRECTED FILING RECEIPT

Applicant respectfully petitions the Office to accept the following unintentionally delayed priority claim:

The present application is a continuation-in-part of U.S. Application No. 13/587,645, filed on Aug. 16, 2012, which claims priority to and incorporates by the reference in the entirety each of the following provisional patent applications: U.S. Prov. Pat App. No. 61/524,567, filed Aug. 17, 2011; U.S. Prov. Pat. App. No. 61/537,205, filed Sep. 21, 2011; and U.S. Prov. Pat. App. No. 61/563,937, filed Nov. 28, 2011, and which is a continuation-in-part of U.S. Application No. 13/372,240, which in turn claims priority to U.S. Prov. Pat. App. No. 61/441,817, filed Feb. 11, 2011.

The present application is a continuation-in-part of, and claims priority to and incorporates by the reference in the entirety each of the following patent applications: U.S. Application No. 13/726,267, filed Dec. 24, 2012, which is a continuation of U.S. Application No. 12/834,526, filed Jul. 12, 2010, which in turn is a continuation of U.S. Application No. 12/054,299, filed Mar. 24, 2008, which in turn claims priority to U.S. Prov. Pat. App. No. 60/978,517, filed Oct. 9, 2007; U.S. Prov. Pat. App. No. 60/929,991,

filed Jul. 20, 2007; U.S. Prov. Pat. App. No. 60/929,419, filed Jun. 26, 2007; and U.S. Prov. Pat. App. No. 60/924,225, filed May 4, 2007.

This application is a continuation-in-part of U.S. Application No. 13/372,240, filed on Feb. 13, 2012, which in turn claims priority to U.S. Prov. Pat. App. No. 61/441,817, filed Feb. 11, 2011.

This application is a continuation-in-part of U.S. Application No. 13/169,996, filed Jun. 27, 2011, which claims priority to U.S. Prov. Pat. App. No. 61/382,963, filed Sep. 15, 2010; U.S. Prov. Pat. App. No. 61/366,746, filed Jul. 22, 2010; and U.S. Prov. Pat. App. No. 61/358,447, filed Jun. 25, 2010, and which is also a continuation-in-part of PCT/US2011/029419, filed Mar. 22, 2011, and which in turn claims priority to U.S. Prov. Pat. App. No. 61/326,703, filed Apr. 22, 2010, and U.S. Prov. Pat. App. No. 61/317,100, filed Mar. 24, 2010. PCT/US2011/029419 is also a continuation of U.S. Application No. 13/050,974, filed Mar. 18, 2011, which claims priority to U.S. Prov. Pat. App. No. 61/382,963, filed Sep. 15, 2010; U.S. Prov. Pat. App. No. 61/366,746, filed Jul. 22/2010; U.S. Application No. 61/326,703, filed Apr. 22, 2010; and U.S. Prov. Pat. App. No. 61/317,100, filed Mar. 24, 2010.

This application is a continuation-in-part of U.S. Application No. 12/834,526, filed Jul. 12, 2010, which in turn is a continuation of U.S. Application No. 12/054,299, filed Mar. 24, 2008, which in turn claims priority to U.S. Prov. Pat. App. No. 60/978,517, filed Oct. 09, 2007; U.S. Prov. Pat. App. No. 60/929,991, filed Jul. 20, 2007; U.S. Prov. Pat. App. No. 60/929,419, filed Jun. 26, 2007; and U.S. Prov. Pat. App. No. 60/924,225, filed May 04, 2007.

This application is a continuation-in-part of U.S. Application No. 13/298,997, filed Nov. 17, 2011, which is a continuation-in-part of U.S. Application No. 13/179,219, filed Jul. 08, 2011, which in turn claims priority to U.S. Prov. Pat. App. No. 61/481,353, filed May 02, 2011, and of U.S. Application No. 61/362,877, filed Jul. 09, 2010. U.S. Application No. 13/298,997 is also a continuation-in-part of U.S. Application No. 13/175,633, filed

Jul. 01, 2011, and of U.S. Application No. 13/175,634, filed Jul. 01, 2011, each of which claims priority to U.S. Prov. Pat. App. No. 61/415,391, filed Nov. 19, 2010; U.S. Prov. Pat. App. No. 61/376,719, filed Aug. 25, 2010; and U.S. Prov. Pat. App. No. 61/361,110, filed Jul. 02, 2010.

This application is a continuation-in-part of U.S. Application No. 13/298,992, filed Nov. 17, 2011, which is a continuation-in-part of U.S. Application No. 13/179,219, filed Jul. 08, 2011, which in turn claims priority to U.S. Prov. Pat. App. No. 61/481,353, filed May 02, 2011, and of U.S. Prov. Pat. App. No. 61/362,877, filed Jul. 09, 2010. U.S. Application No. 13/298,992 is also a continuation-in-part of U.S. Application No. 13/175,633, filed Jul. 01, 2011, and of U.S. Application No. 13/175,634, filed Jul. 01, 2011, each of which claims priority to U.S. Prov. Pat. App. No. 61/415,391, filed Nov. 19, 2010; U.S. Application No. 61/376,719, filed Aug. 25, 2010; and U.S. Prov. Pat. App. No. 61/361,110, filed Jul. 02, 2010.

This application is a continuation-in-part of U.S. Application No. 13/866,575, filed Apr. 19, 2013, which claims priority to U.S. Prov. Pat. App. No. 61/638,290, filed Apr. 25, 2012.

In the priority claim above, the links from this application to the immediate parent applications are the same as those in the most recently filed ADS and in the most recently issued Filing Receipt. The links from the parent applications to the respective provisional applications are being corrected. In the most recently filed ADS, these links were from this application directly to those provisional applications instead of from the parent applications to the provisional applications. The priority claims in the parent applications to the respective provisional applications are themselves correct.

Applicant is also adding the priority claim from PCT/US2011/029419 to U.S. Application No. 13/050,974 and from U.S. Application No. 13/050,974 to several priority provisional applications.

Applicant submits that the entire delay between the date the benefit claim was due under 37 C.F.R. § 1.78 and the date of this Petition was unintentional.

Per 37 C.F.R. 1.48(e), Application is supporting this Petition with: (1) a corrected Application Data Sheet (ADS) reflecting the appropriate corrections to the most recently filed ADS (marked with underline and strikethrough); (2) the petition fee as set forth in § 1.17(m); and (3) the above statement that the entire delay between the date the priority claim was due under this section and the date the priority claim was filed was unintentional.

This priority claim is also being added to the specification by way of the enclosed amendment.

Applicant also respectfully requests a Corrected Filing Receipt reflecting the unintentionally delayed priority claim copied above.

The petition fee set forth in 37 C.F.R. § 1.17(m) is being submitted herewith, as is a Request for Continued Examination.

Dated: December 19, 2018

Respectfully submitted,
SMITH BALUCH LLP

SMITH BALUCH LLP
376 Boylston St, Suite 401
Boston MA 02116

Tel: (617) 947-7280

By: /Christopher Max Colice/
Christopher Max Colice
Reg. No. 65634

REMARKS

Applicant is amending the specification to reflect the priority claim being submitted in the attached Petition for Unintentionally Delayed Priority Claim and the attached Corrected Application Data Sheet. These amendments should not affect the allowability of the claims.

Applicant believes that, upon entry of this amendment, the present application will remain in condition for allowance. Favorable reconsideration of the application as amended is respectfully requested.

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

Dated: December 19, 2018

Respectfully submitted,

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

Phone: (617) 947-7280

By /Christopher Max Colice/
Christopher Max Colice
Registration No. 65634

IN THE CLAIMS:

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

1. (Allowed) An eyewear system comprising:

an eyewear frame;

an electronics assembly comprising electronic components configured to control an electrical functional member;

a capacitive touch switch coupled to at least one electronic component in the electronics assembly;

at least one electrical connective element electrically connected to the electronic assembly and the electrical functional member; and

a conformal layer over the electronic assembly to seal the electronic components;

wherein the conformal layer is moisture proof and seals electrical connections of the electronic component;

wherein the conformal layer is disposed in an enclosure of the eyewear frame;

wherein the eyewear frame comprises a temple; and

wherein the electronic assembly is enclosed in the temple.

2. (Canceled)

3. (Canceled)

4. (Allowed) The eyewear system of claim 1, wherein the electrical functional member comprises a lens.

5–9. (Canceled)

10. (Allowed) The eyewear system of claim 1, wherein the electrical functional member includes at least one of an electro-active lens, an electro-chromic lens, an electronic display, a sensor, an imager, a GPS, an alarm, a hearing aid, a virtual reality function, an augmented reality

function, a gaming function, an audio output function, a microphone function, a recording function, a transmitter function, a pedometer, and an active 3D function.

11. (Allowed) The eyewear system of claim 1, wherein the at least one electrical connective element is a conductive compressible member or a multi-conductor cable.

12–19. (Canceled)

20. (Allowed) The eyewear system of claim 1, wherein the electronic assembly comprises a micro-processor.

21. (Allowed) The eyewear system of claim 1, wherein the enclosure comprises at least one of an outer casing of the electronic assembly or a cavity of the eyewear frame.

22. (Allowed) The eyewear system of claim 1, wherein the conformal layer comprises at least one of an encasing layer or an encapsulating layer.

23. (Allowed) The eyewear system of claim 1, wherein the conformal layer protects the electronic components from external environmental damage.

24. (Allowed) The eyewear system of claim 1, wherein the conformal layer is a conformal coating.

25. (Allowed) The eyewear system of claim 24, wherein a thickness of the conformal coating is less than 1 mm.

26. (Allowed) The eyewear system of claim 24, wherein the conformal coating comprises at least one of an acrylic, urethane, silicone, or epoxy.

27. (Allowed) The eyewear system of claim 26, wherein the conformal coating is brush applied, spray applied, or dip applied.

28. (Allowed) A method of manufacturing an eyewear system comprising:

disposing a plurality of electronic components on a capacitive touch switch;

connecting the plurality of electronic components via electrical connections to form an electronic assembly;

depositing a conformal layer over at least a portion of the electronic assembly and at least a portion of the capacitive touch switch; and

coupling the electronic assembly and the capacitive touch switch with the conformal layer to an enclosure of an eyewear frame.

29. (Allowed) Eyewear comprising:

an eyewear frame comprising a temple;

a plurality of electronic components disposed within a cavity formed in the temple, the plurality of electronic components comprising (i) at least one of a processor or a controller, (ii) a memory, (iii) a power source, (iv) an antenna, (v) at least one of a transmitter or a receiver, and (vi) at least one of an accelerometer or a gyroscope;

a conformal coating, deposited over at least a portion of the plurality of electronic components, to protect the plurality of electronic components; and

a capacitive touch switch operably coupled to an electronic component in the plurality of electronic components.

30. (Allowed) The eyewear of claim 29, wherein the conformal coating exposes an electrical contact of the electronics assembly.

31. (Allowed) The eyewear of claim 29, wherein the conformal coating has a thickness of less than 1 mm.

32. (Allowed) The eyewear of claim 29, wherein the conformal coating has a thickness of less than 0.5 mm.

33. (Canceled)

34. (Allowed) The eyewear of claim 29, wherein the electronic component is disposed on a surface of the capacitive touch switch.

35. (Allowed) The eyewear of claim 29, wherein the conformal coating protects a portion of the capacitive touch switch.

36. (Allowed) The eyewear of claim 29, wherein the capacitive touch switch is fit to the cavity in the temple.

37. (Allowed) The eyewear of claim 29, wherein the capacitive touch switch is electrically connected to an electronic component disposed on the eyewear frame.

IN THE SPECIFICATION:

Please replace paragraph nos. [0001] and [0002] with the following paragraphs. The amendments to paragraph nos. [0001] and [0002] are indicated by strikethrough and underlining.

[0001] The present application is a continuation-in-part of U.S. Application No. 13/587,645, filed on Aug. 16, 2012, which claims priority to and incorporates by the reference in the entirety each of the following provisional patent applications: U.S. Prov. Pat App. No. 61/524,567, filed Aug. 17, 2011; U.S. Prov. Pat. App. No. 61/537,205, filed Sep. 21, 2011; and U.S. Prov. Pat. App. No. 61/563,937, filed Nov. 28, 2011, and which is a continuation-in-part of U.S. Application No. 13/372,240, which in turn claims priority to [[;]] U.S. Prov. Pat. App. No. 61/441,817, filed Feb. 11, 2011~~; U.S. Prov. Pat. No. 61/358,447, filed Jun. 25, 2010; U.S. Prov. Pat. No. 60/929,419, filed Jun. 26, 2007; and U.S. Prov. Pat. App. No. 61/638,290, filed Apr. 25, 2012~~.

[0002] The present application is a continuation-in-part of, and claims priority to and incorporates by the reference in the entirety each of the following patent applications: U.S. ~~patent application Ser.~~ Application No. 13/726,267, filed Dec. 24, 2012, which is a continuation of U.S. Application No. 12/834,526, filed Jul. 12, 2010, which in turn is a continuation of U.S. Application No. 12/054,299, filed Mar. 24, 2008, which in turn claims priority to U.S. Prov. Pat. App. No. 60/978,517, filed Oct. 9, 2007; U.S. Prov. Pat. App. No. 60/929,991, filed Jul. 20, 2007; U.S. Prov. Pat. App. No. 60/929,419, filed Jun. 26, 2007; and U.S. Prov. Pat. App. No. 60/924,225, filed May 4, 2007~~; U.S. patent application Ser. No. 13/587,645, filed Aug. 18, 2012 and entitled "Moisture-Resistant Electronic Spectacle Frames"; U.S. patent application Ser. No. 13/372,240, filed Feb. 13, 2012, and entitled "Electronic Frames Comprising Electrical Conductors"; U.S. patent application Ser. No. 13/169,996, filed Jun. 27, 2011, and entitled "High Performance, Low Cost Multifocal Lens Having dynamic Progressive Optical Power Region"; U.S. patent application Ser. No. 12/834,526, filed Jul. 12, 2010, and entitled "Electronic Eyeglass Frame"; U.S. patent application Ser. No. 13/298,997 filed Nov. 17, 2011, and entitled "Electronic Spectacle Frames"; U.S. patent application Ser. No. 13/298,992 filed Nov. 17, 2011, and entitled "Electronic Spectacle Frames"; and U.S. patent application Ser. No. 12/054,299 filed Mar. 24, 2008, and entitled "Electronic Eyeglass Frame"~~.

Please add new paragraph nos. [0002a] through [0002f] after paragraph no. [0002] and before paragraph no. [0003] as set forth below:

[0002a] This application is a continuation-in-part of U.S. Application No. 13/372,240, filed on Feb. 13, 2012, which in turn claims priority to U.S. Prov. Pat. App. No. 61/441,817, filed Feb. 11, 2011.

[0002b] This application is a continuation-in-part of U.S. Application No. 13/169,996, filed Jun. 27, 2011, which claims priority to U.S. Prov. Pat. App. No. 61/382,963, filed Sep. 15, 2010; U.S. Prov. Pat. App. No. 61/366,746, filed Jul. 22, 2010; and U.S. Prov. Pat. App. No. 61/358,447, filed Jun. 25, 2010, and which is also a continuation-in-part of PCT/US2011/029419, filed Mar. 22, 2011, and which in turn claims priority to U.S. Prov. Pat. App. No. 61/326,703, filed Apr. 22, 2010, and U.S. Prov. Pat. App. No. 61/317,100, filed Mar. 24, 2010. PCT/US2011/029419 is also a continuation of U.S. Application No. 13/050,974, filed Mar. 18, 2011, which claims priority to U.S. Prov. Pat. App. No. 61/382,963, filed Sep. 15, 2010; U.S. Prov. Pat. App. No. 61/366,746, filed Jul. 22/2010; U.S. Application No. 61/326,703, filed Apr. 22, 2010; and U.S. Prov. Pat. App. No. 61/317,100, filed Mar. 24, 2010.

[0002c] This application is a continuation-in-part of U.S. Application No. 12/834,526, filed Jul. 12, 2010, which in turn is a continuation of U.S. Application No. 12/054,299, filed Mar. 24, 2008, which in turn claims priority to U.S. Prov. Pat. App. No. 60/978,517, filed Oct. 09, 2007; U.S. Prov. Pat. App. No. 60/929,991, filed Jul. 20, 2007; U.S. Prov. Pat. App. No. 60/929,419, filed Jun. 26, 2007; and U.S. Prov. Pat. App. No. 60/924,225, filed May 04, 2007.

[0002d] This application is a continuation-in-part of U.S. Application No. 13/298,997, filed Nov. 17, 2011, which is a continuation-in-part of U.S. Application No. 13/179,219, filed Jul. 08, 2011, which in turn claims priority to U.S. Prov. Pat. App. No. 61/481,353, filed May 02, 2011, and of U.S. Application No. 61/362,877, filed Jul. 09, 2010. U.S. Application No. 13/298,997 is also a continuation-in-part of U.S. Application No.

13/175,633, filed Jul. 01, 2011, and of U.S. Application No. 13/175,634, filed Jul. 01, 2011, each of which claims priority to U.S. Prov. Pat. App. No. 61/415,391, filed Nov. 19, 2010; U.S. Prov. Pat. App. No. 61/376,719, filed Aug. 25, 2010; and U.S. Prov. Pat. App. No. 61/361,110, filed Jul. 02, 2010.

[0002e] This application is a continuation-in-part of U.S. Application No. 13/298,992, filed Nov. 17, 2011, which is a continuation-in-part of U.S. Application No. 13/179,219, filed Jul. 08, 2011, which in turn claims priority to U.S. Prov. Pat. App. No. 61/481,353, filed May 02, 2011, and of U.S. Prov. Pat. App. No. 61/362,877, filed Jul. 09, 2010. U.S. Application No. 13/298,992 is also a continuation-in-part of U.S. Application No. 13/175,633, filed Jul. 01, 2011, and of U.S. Application No. 13/175,634, filed Jul. 01, 2011, each of which claims priority to U.S. Prov. Pat. App. No. 61/415,391, filed Nov. 19, 2010; U.S. Application No. 61/376,719, filed Aug. 25, 2010; and U.S. Prov. Pat. App. No. 61/361,110, filed Jul. 02, 2010.

[0002f] This application is a continuation-in-part of U.S. Application No. 13/866,575, filed Apr. 19, 2013, which claims priority to U.S. Prov. Pat. App. No. 61/638,290, filed Apr. 25, 2012.

Docket No. EVSO-027US17

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ronald D. Blum

Application No. 13/890,809

Filed: 2013-05-09

Confirmation No. 9971

Art Unit: 2872

Examiner: Gary William O'NEILL

Title: MOISTURE-RESISTANT EYE WEAR

AMENDMENT

Applicant submits the following Amendments and/or Remarks, and respectfully requests reconsideration of the application in view thereof.

Amendments to the Specification begin on page 2 of this paper.

The Claims are listed beginning on page 5 of this paper.

Remarks begin on page 9 of this paper.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	~~EVSO-027/17US-329676-2202~~ EVSO-027US17
	Application Number	13/890,809
Title of Invention	MOISTURE-RESISTANT EYE WEAR	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2:

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fail under Secrecy Order may not be filed electronically.)

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
Mr.	Ronald	D.	BLUM	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	Roanoke	State/Province	VA	Country of Residence	US

Mailing Address of Inventor:

Address 1	5241 Valleypark Drive		
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Postal Code	24019	Country	US

Inventor 2 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
Mr.	William		KOKONASKI	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

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Address 1	5241 Valleypark Drive		
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Inventor 3 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Claudio	Dalla	LONGA	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	~~EVSO-027417US-320676-2292~~ EVSO-027US17
	Application Number	13/890,809
Title of Invention	MOISTURE-RESISTANT EYE WEAR	

City	Roanoke	State/Province	VA	Country of Residence	US

Mailing Address of Inventor:

Address 1	5241 Valleypark Drive		
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Inventor 4 Remove

Legal Name

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	Mark		GRAHAM	

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Inventor 5 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Joshua		HADDOCK	

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Inventor 6 Remove

Legal Name

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	Charles		WILLEY	

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City	Roanoke	State/Province	VA	Country of Residence	US

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	~~EVSO-027/17US-320676-2202~~ EVSO-027US1Y
	Application Number	13/890,809
Title of Invention	MOISTURE-RESISTANT EYE WEAR	

Mailing Address of Inventor:

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Address 2			
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Inventor 7 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Tiziano		TABACCHI	

Residence Information (Select One) (●) US Residency ( ) Non US Residency ( ) Active US Military Service

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

Mailing Address of Inventor:

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Postal Code	24019	**Country**	US

Inventor 8 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Martin		BOCH	

Residence Information (Select One) (●) US Residency ( ) Non US Residency ( ) Active US Military Service

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

Mailing Address of Inventor:

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Inventor 9 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Massimo		PINAZZA	

Residence Information (Select One) (●) US Residency ( ) Non US Residency ( ) Active US Military Service

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

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	~~EVSO-027417US-320676-2202~~ EVSO-027US17
	Application Number	13/890,809
Title of Invention	MOISTURE-RESISTANT EYE WEAR	

Mailing Address of Inventor:

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Address 2			
City	Roanoke	**State/Province**	VA
Postal Code	24019	**Country**	US

Inventor 10 Remove

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	Scott	N.	RICHMAN	

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Address 2			
City	Roanoke	**State/Province**	VA
Postal Code	24019	**Country**	US

Inventor 11 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Volkan		OZGUZ	

Residence Information (Select One) (•) US Residency ( ) Non US Residency ( ) Active US Military Service

City	Roanoke	State/Province	VA	Country of Residence	US

Mailing Address of Inventor:

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Address 2			
City	Roanoke	**State/Province**	VA
Postal Code	24019	**Country**	US

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

Correspondence Information:

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

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

Customer Number	~~68240~~ 149800		
Email Address		Add Email	Remove Email

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	~~EVSO-027/17US 320676-2202~~ EVSO-027US1
	Application Number	13/890,809

Title of Invention	MOISTURE-RESISTANT EYE WEAR

Application Information:

Title of the Invention	MOISTURE-RESISTANT EYE WEAR		
Attorney Docket Number	~~EVSO-027/17US~~ 320676-2202	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	26	Suggested Figure for Publication (if any)	

Filing By Reference:

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

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

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

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

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

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	~~58249~~ 149890		

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	EVSD-027US07
	Application Number	13/890,809
Title of Invention	MOISTURE RESISTANT EYE WEAR	

Domestic Benefit/National Stage Information:

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

Prior Application Status			
Application Number	**Continuity Type**	**Prior Application Number**	**Filing Date**
This Application	Continuation in Part of	13/587,645	August 16, 2012
13/587,645	Non-Provisional of	61/563,937	November 28, 2011
13/587,645	Non-Provisional of	61/537,205	September 21, 2011
13/587,645	Non-Provisional of	61/524,567	August 17, 2011
13/587,645	Continuation in Part of	13/372,240	February 13, 2012
This Application	Continuation in Part of	13/726,267	December 24, 2012
~~13/726,267~~ 12/054,299	Non-Provisional of	60/978,517	October 9, 2007
~~13/726,267~~ 12/054,299	Non-Provisional of	60/929,991	July 20, 2007
~~13/726,267~~ 12/054,299	Non-Provisional of	60/929,419	June 26, 2007
~~13/726,267~~ 12/054,299	Non-Provisional of	60/924,225	May 4, 2007
13/726,267	Continuation of	12/834,526	July 12, 2010
~~13/726,267~~ 12/834,526	Continuation of	12/054,299	March 24, 2008
This Application	Continuation in Part of	13/372,240	February 13, 2012
13/372,240	Non-Provisional of	61/441,817	February 11, 2011
This Application	Continuation in part of	13/169,996	June 27, 2011
13/169,996	Non-Provisional of	61/382,963	September 15, 2010
13/169,996	Non-Provisional of	61/366,746	July 22, 2010
13/169,996	Non-Provisional of	61/358,447	June 25, 2010
~~13/169,996~~ PCT/US11/29419 13/050,974	Non-Provisional of	61/326,703	April 22, 2010

PTO/AIA/14 (08-12)
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	[illegible]
	Application Number	13/890,809
Title of Invention	MOISTURE RESISTANT EYE WEAR	

~~13/169,996~~ PCT/US11/29419 13/050,974	Non-Provisional of	61/317,100	March 24, 2010
13/169,996	Continuation in Part of	PCT/US2011/029419	March 22, 2011
This Application	Continuation in Part of	12/834,526	July 12, 2010
~~12/834,526~~ 12/054,299	Non-Provisional of	60/978,517	October 9, 2007
~~12/834,526~~ 12/054,299	Non-Provisional of	60/929,991	July 20, 2007
~~12/834,526~~ 12/054,299	Non-Provisional of	60/929,419	June 26, 2007
~~12/834,526~~ 12/054,299	Non-Provisional of	60/924,225	May 4, 2007
12/834,526	Continuation of	12,054,299	March 24, 2008
This Application	Continuation in Part of	13/298,997	November 17, 2011
~~13/298,997~~ 13/179,219	Non-Provisional of	61/481,353	May 2, 2011
~~13/298,997~~ 13/175,633 13/175,634	Non-Provisional of	61/415,391	November 19, 2010
~~13/298,997~~ 13/175,633 13/175,634	Non-Provisional of	61/376,719	August 25, 2010
~~13/298,997~~ 13/179,219	Non-Provisional of	61/362,877	July 9, 2010
~~13/298,997~~ 13/175,633 13/175,634	Non-Provisional of	61/361,110	July 2, 2010
13/298,992 & 13/298,997	Continuation in Part of	13/179,219	July 8, 2011
13/298,992 & 13/298,997	Continuation in Part of	13/175,633	July 1, 2011
13/298,992 & 13/298,997	Continuation in Part of	13/175,634	July 1, 2011
This Application	Continuation in Part of	13/298,992	November 17, 2011
~~13/298,992~~ 13/179,219	Non-Provisional of	61/481,353	May 2, 2011
~~13/298,992~~ 13/175,633 13/175,634	Non-Provisional of	61/415,391	November 19, 2010
~~13/298,992~~ 13/175,633 13/175,634	Non-Provisional of	61/376,719	August 25, 2010
~~13/298,992~~ 13/179,219	Non-Provisional of	61/362,877	July 9, 2010
~~13/298,992~~ 13/175,633 13/175,634	Non-Provisional of	61/361,110	July 2, 2010
This Application	Continuation in Part of	13/866,575	April 19, 2013

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	EVSO-27US17
	Application Number	13/890,809
Title of Invention	MOISTURE RESISTANT EYE WEAR	

13/866,575	Non-Provisional of	61/638,290	April 25, 2012
PCT/US11/29419	Continuation of	13/050,974	Mar. 3, 2011
13/050,974	Non-Provisional of	61/382,963	Sep. 15, 2010
13/050,974	Non-Provisional of	61/366,746	Jul. 22, 2010

Foreign Priority Information:

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

Application Number	Country	Filing Date	Access Code (if applicable)

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

☒ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to claimed invention that has an effective filing date on or after March 16, 2013.

Authorization to Permit Access:

[X] Authorization to Permit Access to the Instant Application by the Participating Offices

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing this Authorization.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	~~EVSO-027/17US 920676-2282~~ EVSO-027US1
	Application Number	13/890,809
Title of Invention	MOISTURE-RESISTANT EYE WEAR	

Applicant Information:

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

Applicant 1

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

(●) Assignee	( ) Legal Representative under 35 U.S.C. 117	( ) Joint Inventor
( ) Person to whom the inventor is obligated to assign.	( ) Person who shows sufficient proprietary interest	

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor:	
If the Applicant is an Organization check here.	☒
Organization Name	E-Vision, LLC

Mailing Address Information For Applicant:

Address 1	1144 Tallevast Road		
Address 2	Suites 113-115		
City	Sarasota	**State/Province**	FL
Country	~~FL~~ US	Postal Code	34243
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button.

Assignee Information including Non-Applicant Assignee Information:

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

PTO/AIA/14 (11-15)
Approved for use through 04/30/2017. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	~~EVSO-027/17US-320676-2202~~ EVSO-027US17
	Application Number	13/890,809

Title of Invention	MOISTURE-RESISTANT EYE WEAR

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1			
Address 2			
City		**State/Province**	
Country[i]		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.

Signature:

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

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

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

Signature	/Christopher Max Colice/			Date (YYYY-MM-DD)	2018-12-19
First Name	Christopher	Last Name	Colice	Registration Number	65,634

Additional Signature may be generated within this form by selecting the Add button.

PTO/AIA/14 (11-15)
Approved for use through 04/30/2017. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	~~EVSO-027/17US-329676-2292~~ EVSO-027US17
	Application Number	13/890,809
Title of Invention	MOISTURE-RESISTANT EYE WEAR	

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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

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

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

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

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

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent CooperationTreaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal

Application Number:	13890809
Filing Date:	09-May-2013
Title of Invention:	MOISTURE-RESISTANT EYE WEAR
First Named Inventor/Applicant Name:	Ronald D. Blum
Filer:	Christopher M. Colice/Lindsey Lovato
Attorney Docket Number:	EVSO-027/17US 320676-2202

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
PET. DELAY SUB OR RESTORE PRIORITY-CLAIM	1454	1	2000	2000
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
RCE- 2ND AND SUBSEQUENT REQUEST	1820	1	1900	1900
		Total in USD ($)		**3900**

Electronic Acknowledgement Receipt	
EFS ID:	34642209
Application Number:	13890809
International Application Number:	
Confirmation Number:	9971
Title of Invention:	MOISTURE-RESISTANT EYE WEAR
First Named Inventor/Applicant Name:	Ronald D. Blum
Customer Number:	149890
Filer:	Christopher M. Colice/Lindsey Lovato
Filer Authorized By:	Christopher M. Colice
Attorney Docket Number:	EVSO-027/17US 320676-2202
Receipt Date:	19-DEC-2018
Filing Date:	09-MAY-2013
Time Stamp:	16:51:41
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$3900
RAM confirmation Number	122018INTEFSW16521600
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Continued Examination (RCE)	EVSO027US17_RCE.pdf	88300 9511146e50cebdd99e6423afdda0314e7e6bab6a	no	3
Warnings:					
This is not a USPTO supplied RCE SB30 form.					
Information:					
2	Request for Corrected Filing Receipt	EVSO027US17_Petition_for_Unintentionally_Delayed_Priority_Claim.pdf	108500 7c48c4f2f16e71b7f05d0115068f55d46693845f	no	4
Warnings:					
Information:					
3		EVSO027US17_Amendment_Priority_Claims.pdf	147861 d6a003fc5157ab4dd3087deb8a65c4ca3a3ba936	yes	9

Multipart Description/PDF files in .zip description

Document Description	Start	End
Applicant Arguments/Remarks Made in an Amendment	9	9
Claims	5	8
Specification	2	4
Amendment after Notice of Allowance (Rule 312)	1	1

Warnings:					
Information:					
4	Application Data Sheet	EVSO027US17_Corrected_ADS.pdf	8784256 f07e16c36518197a97cd94097052fb0c950c7f38	no	12
Warnings:					
Information:					

This is not an USPTO supplied ADS fillable form					
5	Fee Worksheet (SB06)	fee-info.pdf	32410 728ae2cab73b6ff4122f996d089ffd81fc93ae3a	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	9161327	

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

New Applications Under 35 U.S.C. 111

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

National Stage of an International Application under 35 U.S.C. 371

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

NOTICE OF ALLOWANCE AND FEE(S) DUE

149890 7590 01/08/2019

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

EXAMINER
O'NEILL, GARY WILLIAM

ART UNIT	PAPER NUMBER
2872	

DATE MAILED: 01/08/2019

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/890,809	05/09/2013	Ronald D. Blum	EVSO-027US17	9971

TITLE OF INVENTION: MOISTURE-RESISTANT EYE WEAR

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1000	$0.00	$0.00	$1000	04/08/2019

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

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

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

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

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

PART B - FEE(S) TRANSMITTAL

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

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

By fax, send to: (571)-273-2885

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

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

149890 7590 01/08/2019
SMITH BALUCH LLP
376 BOYLSTON ST
STE 401
BOSTON, MA 02116

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

Certificate of Mailing or Transmission

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

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/890,809	05/09/2013	Ronald D. Blum	EVSO-027US17	9971

TITLE OF INVENTION: MOISTURE-RESISTANT EYE WEAR

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1000	$0.00	$0.00	$1000	04/08/2019

EXAMINER	ART UNIT	CLASS-SUBCLASS
O'NEILL, GARY WILLIAM	2872	351-158000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

❑ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

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

1 _____
2 _____
3 _____

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

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

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

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

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

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

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

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

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

❑ Applicant certifying micro entity status. See 37 CFR 1.29

❑ Applicant asserting small entity status. See 37 CFR 1.27

❑ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

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

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/890,809	05/09/2013	Ronald D. Blum	EVSO-027US17	9971

149890 7590 01/08/2019

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

EXAMINER	
O'NEILL, GARY WILLIAM	
ART UNIT	**PAPER NUMBER**
2872	

DATE MAILED: 01/08/2019

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

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

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

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

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

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

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

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

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

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 13/890,809	Applicant(s) Blum et al.	
	Examiner GARY W O'NEILL	Art Unit 2872	AIA Status Yes

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

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

1. ☑ This communication is responsive to the RCE filed 12/19/2018.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

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

3. ☑ The allowed claim(s) is/are 1,4,10-11,20-32 and 34-37 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

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

   Certified copies:

   a) ☐ All b) ☐ Some *c) ☐ None of the:

   1. ☐ Certified copies of the priority documents have been received.
   2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____ .

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

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

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

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

/Robert E. Tallman/ Primary Examiner, Art Unit 2872	/GARY W O'NEILL/ Examiner, Art Unit 2872

DETAILED ACTION

Notice of Pre-AIA or AIA Status

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

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 12/19/2018 has been entered.

Allowable Subject Matter

3. Claims 1, 4, 10, 11, 20-32 and 34-37 are allowed.

4. The reasons for allowance are as set forth in the first and third paragraphs of page 7 of Applicant's Remarks filed 04/27/18, and also the first paragraph of page 6 of Applicant's Supplemental Remarks, filed 08/14/18.

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

Any inquiry concerning this communication or earlier communications from the examiner should be directed to GARY W. O'NEILL whose telephone number is (313)446-6521. The examiner can normally be reached on Mon-Fri 8-4p.

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

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Mack can be reached on (571)272-22333. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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

/GARY W O'NEILL/
Examiner, Art Unit 2872
December 27, 2018

/Robert E. Tallman/
Primary Examiner, Art Unit 2872

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13/890,809	Blum et al.
	Examiner	**Art Unit**
	GARY W O'NEILL	2872

CPC							
Symbol						**Type**	**Version**
G02C	/	11	/	10		F	2013-01-01
G02C	/	7	/	083		I	2013-01-01
G02C	/	7	/	101		I	2013-01-01
H01R	/	35	/	04		I	2013-01-01
G02B	/	27	/	017		I	2013-01-01
H01R	/	13	/	2414		A	2013-01-01
G02B	/	2027	/	0178		A	2013-01-01
G02B	/	2027	/	0134		A	2013-01-01

CPC Combination Sets								
Symbol					**Type**	**Set**	**Ranking**	**Version**
	/		/					

/GARY O'NEILL/ Examiner.Art Unit 2872	27 December 2018	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	21	
/Robert E. Tallman/ Primary Examiner, Art Unit 2872	29 December 2018	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	14

U.S. Patent and Trademark Office — Part of Paper No.: 20181227

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13/890,809	Blum et al.
	Examiner	**Art Unit**
	GARY W O'NEILL	2872

INTERNATIONAL CLASSIFICATION					
CLAIMED					
G02C	/	11	/	00	

NON-CLAIMED					
	/		/		

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**

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

/GARY O'NEILL/ Examiner.Art Unit 2872 (Assistant Examiner)	27 December 2018 (Date)	**Total Claims Allowed:** 21	
/Robert E. Tallman/ Primary Examiner, Art Unit 2872 (Primary Examiner)	29 December 2018 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 14

U.S. Patent and Trademark Office

Part of Paper No.: 20181227

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13/890,809	Blum et al.
	Examiner	**Art Unit**
	GARY W O'NEILL	2872

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

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1	3	10		19	13	28	21	37						
	2	4	11	5	20	14	29								
	3		12	6	21	15	30								
2	4		13	7	22	16	31								
	5		14	8	23	17	32								
	6		15	9	24		33								
	7		16	10	25	18	34								
	8		17	11	26	19	35								
	9		18	12	27	20	36								

/GARY O'NEILL/ Examiner.Art Unit 2872 (Assistant Examiner)	27 December 2018 (Date)	**Total Claims Allowed:** 21	
/Robert E. Tallman/ Primary Examiner, Art Unit 2872 (Primary Examiner)	29 December 2018 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 14

U.S. Patent and Trademark Office Part of Paper No.: 20181227

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13/890,809	Blum et al.
	Examiner	Art Unit
	GARY W O'NEILL	2872

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

CLAIMS

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

CLAIM		DATE							
Final	Original	10/31/2014	06/24/2015	12/02/2015	06/20/2016	02/22/2017	12/19/2017	08/27/2018	12/27/2018
1	1	✓	✓	✓	✓	✓	✓	=	=
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	3	✓	✓	✓	-	-	-	-	-
2	4	✓	✓	✓	✓	✓	✓	=	=
	5	✓	✓	✓	✓	-	-	-	-
	6	✓	✓	✓	✓	-	-	-	-
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4	11	✓	✓	✓	✓	✓	✓	=	=
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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13/890,809	Blum et al.
	Examiner	Art Unit
	GARY W O'NEILL	2872

CPC - Searched*		
Symbol	**Date**	**Examiner**
G02C 11/06, 11/10	10/30/14	GO
UPDATED	6/24/15	GO
UPDATED	12/1/15	GO
G02C 11/00, 11/04	12/1/15	GO
UPDATED	6/19/16	GO
UPDATED	2/22/17	GO
UPDATED	12/19/17	GO
UPDATED	8/27/18	GO
G02C7/083, 101	8/27/18	GO
UPDATED	12/27/2018	GO

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**
351	41-158,178	10/30/14	GO
	UPDATED	6/24/15	GO
	UPDATED	12/1/15	GO
	UPDATED	6/19/16	GO
	UPDATED	2/22/17	GO
	UPDATED	12/19/17	GO
	UPDATED	8/27/18	GO
	UPDATED	12/27/2018	GO

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

	/GARY O'NEILL/ Examiner.Art Unit 2872

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13/890,809	Blum et al.
	Examiner	**Art Unit**
	GARY W O'NEILL	2872

Search Notes		
Search Notes	**Date**	**Examiner**
EAST BRS Search (US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB) attached	10/30/14	GO
EAST BRS Search (Updated and attached)	6/24/15	GO
EAST BRS Search (Updated and attached)	12/1/15	GO
EAST BRS Search (Updated and attached)	6/20/16	GO
G02C 11/06, 11/10 (See search history printout)	10/30/14	GO
G02C 11/00, 11/04 (See search history printout)	12/1/15	GO
EAST BRS Search (Updated and attached)	2/22/17	GO
EAST BRS Search (Updated and attached)	12/19/17	GO
EAST BRS Search (Updated and attached)	8/27/18	GO
Consulted PE H.Dang per allowability	8/9/18	GO
G02C7/083, 101 (See search history printout)	8/27/18	GO
EAST BRS Search (Updated and attached)	12/27/2018	GO

Interference Search			
US Class/CPC Symbol	**US Subclass/CPC Group**	**Date**	**Examiner**
	EAST BRS Interference Search (US-PGPUB; USPAT) attached	8/27/18	GO
G02C	7/083, 101	8/27/18	GO
G02C	11/00,04,06,10	8/27/18	GO
	EAST BRS Interference Search (Updated and attached)	12/27/2018	GO

	/GARY O'NEILL/ Examiner.Art Unit 2872

UNITED STATES PATENT AND TRADEMARK OFFICE

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

BIB DATA SHEET

CONFIRMATION NO. 9971

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
13/890,809	05/09/2013 **RULE**	351	2872	EVSO-027US17

APPLICANTS

E-Vision, LLC, Sarasota, FL;

INVENTORS

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William Kokonaski, Gig Harbor, WA;
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Mark Graham, Roanoke, VA;
Joshua Haddock, Roanoke, VA;
Charles Willey, Roanoke, VA;
Tiziano Tabacchi, Roanoke, VA;
Martin Bock, Roanoke, VA;
Massimo Pinazza, Roanoke, VA;
Scott N. Richman, Roanoke, VA;
Volkan Ozguz, roanoke, VA;

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

This application is a CIP of 13/587,645 08/16/2012 ABN
which claims benefit of 61/563,937 11/28/2011
and claims benefit of 61/537,205 09/21/2011
and claims benefit of 61/524,567 08/17/2011
and is a CIP of 13/372,240 02/13/2012 PAT 8801174

This application 13/890,809 05/09/2013
is a CIP of 13/726,267 12/24/2012 PAT 8708483
which is a CON of 12/834,526 07/12/2010 PAT 8337014
which is a CON of 12/054,299 03/24/2008 ABN

This application 13/890,809 05/09/2013
is a CIP of 13/372,240 02/13/2012 PAT 8801174
which claims benefit of 61/441,817 02/11/2011

This application 13/890,809 05/09/2013
is a CIP of 13/169,996 06/27/2011 ABN
which claims benefit of 61/382,963 09/15/2010
and claims benefit of 61/366,746 07/22/2010
and claims benefit of 61/358,447 06/25/2010
and is a CIP of PCT/US2011/029419 03/22/2011

This application 13/890,809 05/09/2013
is a CIP of 12/834,526 07/12/2010 PAT 8337014
which is a CON of 12/054,299 03/24/2008 ABN

This application 13/890,809 05/09/2013
is a CIP of 13/298,997 11/17/2011 PAT 8944590
which claims benefit of 61/481,353 05/02/2011
and claims benefit of 61/415,391 11/19/2010

This application 13/890,809 05/09/2013
is a CIP of 13/298,992 11/17/2011 PAT 8905541
which is a CIP of 13/175,633 07/01/2011 PAT 8783861
and is a CIP of 13/175,634 07/01/2011 ABN

and is a CIP of 13/179,219 07/08/2011 PAT 8979259
This application 13/890,809 05/09/2013
is a CIP of 13/866,575 04/19/2013 ABN
which claims benefit of 61/638,290 04/25/2012

**** FOREIGN APPLICATIONS **********

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ****
06/11/2013

Foreign Priority claimed ❑ Yes ☑ No 35 USC 119(a-d) conditions met ❑ Yes ☑ No Verified and Acknowledged /GARY WILLIAM O'NEILL/ Examiner's Signature	❑ Met after Allowance Initials	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
		VA	26	21	3

ADDRESS

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

TITLE

MOISTURE-RESISTANT EYE WEAR

FILING FEE RECEIVED		
1940	FEES: Authority has been given in Paper No._____ to charge/credit DEPOSIT ACCOUNT No._____ for following:	❑ All Fees ❑ 1.16 Fees (Filing) ❑ 1.17 Fees (Processing Ext. of time) ❑ 1.18 Fees (Issue) ❑ Other _____ ❑ Credit

BIB (Rev. 05/07).

Docket No. EVSO-027US17

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ronald D. Blum

Application No. 13/890,809

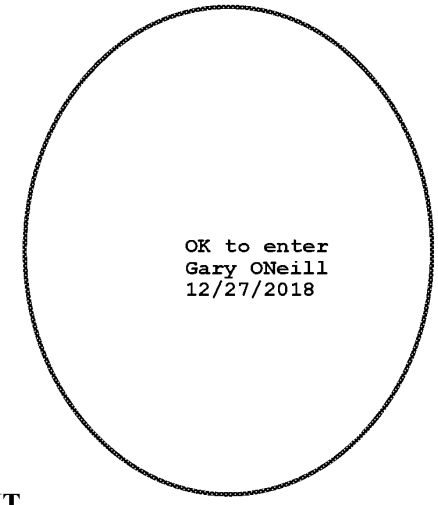
Filed: 2013-05-09

Confirmation No. 9971

Art Unit: 2872

Examiner: Gary William O'NEILL

Title: MOISTURE-RESISTANT EYE WEAR



AMENDMENT

Applicant submits the following Amendments and/or Remarks, and respectfully requests reconsideration of the application in view thereof.

Amendments to the Specification begin on page 2 of this paper.

The Claims are listed beginning on page 5 of this paper.

Remarks begin on page 9 of this paper.

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	18400	351/41-158.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/12/27 17:22
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			USOCR; EPO; JPO; DERWENT; IBM_TDB			
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L19	11537	351/159.$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/12/27 17:22
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L25	2024	L24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/12/27 17:22
L26	18800	351/41-158,178.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/12/27 17:22
L27	545	G02C11/06.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/12/27 17:22
L28	2490	G02C11/10.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/12/27 17:22

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L35	2075	351/158.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/12/27 17:22
L36	5535	L31 or L32 or L33 or L34 or L35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/12/27 17:22
L37	3119	G02C11/10.cpc.	FPRS; EPO; JPO; DERWENT	OR	ON	2018/12/27 17:22
L38	34987	L4 or L5 or L9 or L10 or L11 or L12 or L13 or L17 or L30 or L36 or L37	US-PGPUB; USPAT; USOCR;	OR	ON	2018/12/27 17:22

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
L39	34987	L38	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/12/27 17:22
L40	2089	L39 and capacit$6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/12/27 17:22
L41	615	(L40 and capacit$6 with (switch$4 or sens$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/12/27 17:22
S1	4	"2009081542".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 15:09
S2	5	"2009126946".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 15:09
S3	5	"2010080999".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 15:13
S4	2	"2008273166".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 15:13
S5	2	"5463428".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 15:13
S6	2	"5764338".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 15:13

S7	0	"2008316420".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 15:14
S8	5	"2010080999".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 15:15
S9	5	"2009098719".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 15:15
S10	7	"2008002388".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 15:15
S11	2	"2008273166".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 15:15
S12	2	"20050237485".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 15:16
S13	2	"20050225723".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 15:16
S14	2	"6115177".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 15:17
S15	2	"5742379".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 15:17
S16	2	"6719425".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 15:17

S17	4	"4418990".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 15:18
S18	3	"4991951".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 15:19
S19	3	"2007258039".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 15:19
S20	5	"2930857".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 15:20
S21	5	"2007121061".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 15:20
S22	2	"2008273166".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 15:21
S23	62	S1 or S2 or S3 or S4 or S5 or S6 or S8 or S9 or S10 or S11 or S12 or S13 or S14 or S15 or S16 or S17 or S18 or S19 or S20 or S21 or S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 15:23
S24	1	"20080273166".pn.	US-PGPUB	OR	ON	2013/09/12 15:51
S25	3	S23 or S24	US-PGPUB	OR	ON	2013/09/12 16:05
S26	63	S23 or S24	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 16:05
S27	16	S26 and (water or waterproof$4 or water-proof$4 or moisture or moistureproof$4 or moisture-proof$4 or sweat or sweating or sweaty or salt or salted or salty or hermetic or hermetically or seal or sealed or sealing or sealer or proof or proofing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 16:19

		or proofed or rain or swim or swimming or swimmer or snow or snowing or weather or precipitation or condensation or liquid or wet)				
S28	0	("2008/0273166").URPN.	USPAT	OR	ON	2013/09/12 16:26
S29	15772	351/41-158.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 16:36
S30	7988	351/159.$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 16:36
S31	503	351/178.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 16:37
S32	90	351/159.03.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 16:37
S33	17	351/159.4.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 16:37
S34	750	351/153.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 16:37
S35	23094	S29 or S30 or S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 16:38
S36	4948	S35 and (water or waterproof$4 or water-proof$4 or moisture or moistureproof$4 or moisture-proof$4 or sweat or sweating or sweaty or salt or salted or salty or hermetic or hermetically or seal or sealed or sealing or sealer or proof or proofing or proofed or rain or swim or swimming or swimmer or snow or snowing or weather or precipitation or condensation or wet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 16:38
S37	267	G02C7/083.cpc.	US-PGPUB;	OR	ON	2013/09/12

			USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB			16:41
S38	504	G02C7/083.cpc. or G02C7/101.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 16:43
S39	255	S38 and (water or waterproof$4 or water-proof$4 or moisture or moistureproof$4 or moisture-proof$4 or sweat or sweating or sweaty or salt or salted or salty or hermetic or hermetically or seal or sealed or sealing or sealer or proof or proofing or proofed or rain or swim or swimming or swimmer or snow or snowing or weather or precipitation or condensation or wet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 16:43
S40	5032	S36 or S39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 16:44
S41	2932767	glasses or eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 16:45
S42	4100	S40 and S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 16:46
S43	755	S42 and (hinge or rimlock or rim-lock)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 16:47
S44	171	S43 and silicone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 16:48
S45	2	S44 and grease	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 16:49
S46	84	S44 and (insulat$5 or nonconduct$5 or	US-PGPUB;	OR	ON	2013/09/12

		non-conduct$5 or resistive or resistor)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB			16:50
S47	1	S46 and grease	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 16:51
S48	1	S43 and (insulat$5 or nonconduct$5 or non-conduct$5 or resistive or resistor or dielectric) and (silicone near6 grease)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 18:40
S49	1769	S41 and (insulat$5 or nonconduct$5 or non-conduct$5 or resistive or resistor or dielectric) and (silicone near6 grease)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 18:41
S50	1	S43 and S49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 18:41
S51	148	S49 and (hinge or rimlock or rim-lock)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 18:41
S52	147	S51 and (water or waterproof$4 or water-proof$4 or moisture or moistureproof$4 or moisture-proof$4 or sweat or sweating or sweaty or salt or salted or salty or hermetic or hermetically or seal or sealed or sealing or sealer or proof or proofing or proofed or rain or swim or swimming or swimmer or snow or snowing or weather or precipitation or condensation or wet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 18:42
S53	137	S52 and (conduct$5 or wire)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 18:43
S54	254107	(glasses or eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 18:43
S55	4	S53 and S54	US-PGPUB;	OR	ON	2013/09/12

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			18:43
S56	133	S53 not S55	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 18:45
S57	0	S56 and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 18:46
S58	1556	(silicone near6 (paste or compound or oil or viscosity or lubrican$4 or grease)) and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 18:49
S59	97	(silicone near6 (paste or compound or oil or viscosity or lubrican$4 or grease)) same(eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 18:49
S60	11	S59 and (hinge or rimlock or rim-lock)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 18:50
S61	155	S58 and (hinge or rimlock or rim-lock)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 18:56
S62	144	S61 not S60	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 18:56
S63	0	S62 and ((silicone near6 (paste or compound or grease)) same (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 18:57
S64	30	S62 and ((silicone near6 (paste or compound or grease)) and (eyeglasses	US-PGPUB; USPAT;	OR	ON	2013/09/12 18:57

		or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses))	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S65	1	S62 and ((silicone near6 (grease)) and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 19:00
S66	165	S41 and ((insulat$5 or nonconduct$5 or non-conduct$5 or resistive or resistor or dielectric) near6 (silicone near6 grease))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 19:02
S67	2	S66 and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 19:03
S68	49	(silicone near6 (paste or grease)) and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 19:05
S69	45	S68 not (S60 or S65 or S67)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 19:05
S70	2	(eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses) and ((insulat$5 or nonconduct$5 or non-conduct$5 or resistive or resistor or dielectric) near6 (silicone near6 grease))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 19:17
S71	3	(eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses) and ((conduct$6 or wire) near6 (silicone near6 grease))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 19:19
S72	11	(eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses) and ((conduct$6 or wire) and (silicone near6 grease)) and (insulat$5 or nonconduct$5 or non-conduct$5 or	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 19:21

		resistive or resistor or dielectric)				
S73	65	(eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses) and ((conduct$6 or wire) and (silicone and grease)) and (insulat$5 or nonconduct$5 or non-conduct$5 or resistive or resistor or dielectric)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 19:21
S74	54	S73 not S72	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 19:22
S75	107	S32 or S33	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 19:25
S76	38	S75 and silicone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 19:25
S77	0	S76 and (grease or paste)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 19:26
S78	38	S76 not S72	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 19:26
S79	2	"20100076553".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 19:36
S80	1	S79 and silicone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 19:36
S81	126	("20010043266" | "20050237485" | "20050264752" | "20070296918" | "7784935" | "20050270479" |	US-PGPUB; USPAT; USOCR;	OR	ON	2013/09/12 20:21

		"20060203186" | "20080106695" | "5764338" | "6626532" | "20050078274" | "4152846" | "4875030" | "4967268" | "5463428" | "20020140899" | "20050242771" | "20100177277" | "4418990" | "4907860" | "5835185" | "6336250" | "7063420" | "20070121061" | "20070258039" | "20080316420" | "4991258" | "5742379" | "5760869" | "6595634" | "6719425" | "6866386" | "7813048" | "20110058141" | "20040000733" | "20050270481" | "20100309426" | "4283127" | "4991951" | "7104645" | "7140727" | "20010007493" | "20060231158" | "6097450" | "7009757" | "7425066" | "2930857" | "20050225723" | "20060092340" | "20080273166" | "20100201938" | "4756605" | "5182585" | "5657107" | "6115177" | "6582075").PN.	EPO; JPO; DERWENT; IBM_TDB			
S82	5	"2006023158".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 20:45
S83	2	"20060231580".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 20:45
S84	2	"20060023158".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/12 20:46
S85	56	("20010043266" | "20050237485" | "20050264752" | "20070296918" | "7784935" | "20050270479" | "20060203186" | "20080106695" | "5764338" | "6626532" | "20050078274" | "4152846" | "4875030" | "4967268" | "5463428" | "20020140899" | "20050242771" | "20100177277" | "4418990" | "4907860" | "5835185" | "6336250" | "7063420" | "20070121061" | "20070258039" | "20080316420" | "4991258" | "5742379" | "5760869" | "6595634" | "6719425" | "6866386" | "7813048" | "20110058141" | "20040000733" | "20050270481" | "20100309426" | "4283127" | "4991951" | "7104645" | "7140727" | "20010007493" | "20060231158" | "6097450" | "7009757" | "7425066" | "2930857" | "20050225723" | "20060092340" | "20080273166" | "20100201938" | "4756605" |	US-PGPUB; USPAT; EPO; JPO	OR	ON	2013/09/12 21:15

		"5182585" | "5657107" | "6115177" | "6582075").PN.				
S86	24469	conduct$5 adj2 rubber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/13 16:08
S87	15772	351/41-158.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/13 16:10
S88	7988	351/159.$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/13 16:10
S89	503	351/178.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/13 16:10
S90	23094	S87 or S88 or S89	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/13 16:10
S91	22	S86 and S90	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/13 16:10
S92	17	S91 and silicone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/13 16:10
S93	7	S92 and (grease or paste)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/13 16:11
S94	10	S92 not S93	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/13 16:14
S95	5	S91 not S92	US-PGPUB;	OR	ON	2013/09/13

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			16:24
S96	68	S86 and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/13 16:29
S97	34	S96 and silicone	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/13 16:29
S98	21	S97 not S91	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/13 16:29
S99	1	(US-6772448-$).did.	USPAT	OR	ON	2013/09/13 16:45
S100	0	"2008273166".pn.	US-PGPUB	OR	ON	2013/09/13 17:20
S101	2	"2008273166".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/13 17:20
S102	1	"20080273166".pn.	US-PGPUB	OR	ON	2013/09/13 17:21
S103	0	"4991951".pn.	US-PGPUB	OR	ON	2013/09/13 17:21
S104	1	"4991951".pn.	USPAT	OR	ON	2013/09/13 17:22
S105	3	S99 or S102 or S104	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/13 17:22
S106	126	("20010043266" | "20050237485" | "20050264752" | "20070296918" | "7784935" | "20050270479" | "20060203186" | "20080106695" | "5764338" | "6626532" | "20050078274" | "4152846" | "4875030" | "4967268" | "5463428" | "20020140899" | "20050242771" | "20100177277" | "4418990" | "4907860" | "5835185" | "6336250" |	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/13 17:59

		"7063420" | "20070121061" | "20070258039" | "20080316420" | "4991258" | "5742379" | "5760869" | "6595634" | "6719425" | "6866386" | "7813048" | "20110058141" | "20040000733" | "20050270481" | "20100309426" | "4283127" | "4991951" | "7104645" | "7140727" | "20010007493" | "20060231158" | "6097450" | "7009757" | "7425066" | "2930857" | "20050225723" | "20060092340" | "20080273166" | "20100201938" | "4756605" | "5182585" | "5657107" | "6115177" | "6582075").PN.				
S107	2	S105 and S106	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/13 17:59
S108	69172	(eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses or lens) same (insulat$5 or nonconduct$5 or non-conduct$5 or resistive or resistor or dielectric or impedance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 08:20
S109	2121	(eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses) same (insulat$5 or nonconduct$5 or non-conduct$5 or resistive or resistor or dielectric or impedance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 08:27
S110	1284	S109 and (conduct$5 or wire)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 08:42
S111	354	S110 and (grease or paste or silicone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 08:44
S112	749	S110 and (grease or paste or silicone or coating)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 08:45
S113	806	S110 and (grease or paste or silicone or coating or coated)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2014/04/28 08:45

			IBM_TDB			
S114	167	S113 and (hinge or rimlock or rim-lock)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 08:48
S115	116	S114 and (silicone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 08:51
S116	36	S115 and ((grease or paste or coating or coated) same silicone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 08:52
S117	80	S115 not S116	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 11:30
S118	51	S114 not S115	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 11:56
S119	14	S118 and gasket	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 11:56
S120	1	(US-5835185-$).did.	USPAT	OR	ON	2014/04/28 12:10
S121	3	(eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses) and ((insulat$5 or nonconduct$5 or non-conduct$5 or resistive or resistor or dielectric or impedance) same (rimlock or rim-lock))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 12:17
S122	8	(eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses) and ((insulat$5 or nonconduct$5 or non-conduct$5 or resistive or resistor or dielectric or impedance) and (rimlock or rim-lock))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 12:32
S123	5	S122 not S121	US-PGPUB; USPAT; USOCR;	OR	ON	2014/04/28 12:32

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S124	694	351/86,154.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 12:38
S125	79	S124 and (grease or paste or silicone or coating or coated)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 12:39
S126	20	S125 and (silicone or (polymerized adj2 siloxanes) or polysiloxane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 12:41
S127	12	S126 and (grease or paste or coating or coated)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 12:42
S128	8	S126 not S127	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 12:45
S129	2	S128 and (conduct$5 or wire)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 12:45
S130	59	S125 not S126	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 12:46
S131	19	S130 and (conduct$5 or wire)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 12:46
S132	20	S130 and (conduct$5 or wire or	US-PGPUB;	OR	ON	2014/04/28

		cable)	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			12:47
S133	109	S124 and (conduct$5 or wire or cable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 12:48
S134	87	S133 not S125	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 12:49
S135	87	S134 and (conduct$5 or wires or cable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 12:49
S136	15	S135 and (conduct$5 or cable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 12:49
S137	21	S124 and (electronics or electrical or battery or batteries or circuit or microchip or processor or antenna or computer$4 or signal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 12:53
S138	1	(US-7527374-$).did.	USPAT	OR	ON	2014/04/28 13:19
S139	154	S109 and ((grease or paste or coating or coated) same (silicone or (polymerized adj2 siloxanes) or polysiloxane))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 13:23
S140	74	S109 and ((grease or paste or coating or coated) near5 (silicone or (polymerized adj2 siloxanes) or polysiloxane))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 13:24
S141	61	S140 and (electronics or electrical or battery or batteries or circuit or microchip or processor or antenna or computer$4 or signal)	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2014/04/28 13:24

			EPO; JPO; DERWENT; IBM_TDB			
S142	1	(US-20100265456-$).did.	US-PGPUB	OR	ON	2014/04/28 18:24
S143	14	("4285819" | "4612247" | "4681712" | "4798694" | "4868106" | "4935147" | "5076950" | "5279936" | "5283064" | "5319397" | "5536644" | "5642177" | "5770388").PN. OR ("6231703").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2014/04/28 21:04
S144	2	S143 and (silicone or (polymerized adj2 siloxanes) or polysiloxane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 21:05
S145	1	(US-6231703-$).did.	USPAT	OR	ON	2014/04/28 21:15
S146	1	(US-20100265456-$).did.	US-PGPUB	OR	ON	2014/04/28 21:16
S147	2	S145 or S146	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 21:16
S148	2	S147 and (silicone or (polymerized adj2 siloxanes) or polysiloxane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 21:16
S149	1	S148 and (grease or paste or gel or oil)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/28 21:17
S150	1	(US-6231703-$).did.	USPAT	OR	ON	2014/04/29 10:14
S151	1	(US-20100265456-$).did.	US-PGPUB	OR	ON	2014/04/29 10:14
S152	2	S150 or S151	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 10:14
S153	2	S152 and (silicone or (polymerized adj2 siloxanes) or polysiloxane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2014/04/29 10:14

			IBM_TDB			
S154	1	S151 and (conduct$5 near rubber)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 10:21
S155	12	"2007329719"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 14:42
S156	0	JP2008/003799	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 15:29
S157	0	JP20080003799	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 15:29
S158	8	"20080003799"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 15:29
S159	25	"2008003799"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 15:30
S160	0	WO2009081542	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 15:32
S161	9	"2009081542"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 15:32
S162	3985	(anisotropic and conduct$5 and rubber and (silicone or (polymerized adj2 siloxanes) or polysiloxane) and (grease or paste or gel or oil))	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2014/04/29 18:59

			EPO; JPO; DERWENT; IBM_TDB			
S163	52	351/41-178.ccls. and S162	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:02
S164	1137	(anisotropic and conduct$5 and rubber and ((silicone or (polymerized adj2 siloxanes) or polysiloxane) near6 (grease or paste or gel or oil)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:05
S165	0	351/41-178.ccls. and S164	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:05
S166	1684	(anisotropic and conduct$5 and rubber and ((silicone or (polymerized adj2 siloxanes) or polysiloxane) same (grease or paste or gel or oil)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:06
S167	44	351/41-178.ccls. and S166	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:06
S168	13	S164 and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:09
S169	80	S166 and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:13
S170	67	S169 not S168	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:13
S171	1758	(anisotropic and conduct$5 and rubber and ((silicone or (polymerized adj2	US-PGPUB; USPAT;	OR	ON	2014/04/29 19:15

		siloxanes) or polysiloxane) same (grease or paste or gel or oil or lubricant)))	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S172	67	S170 and S171	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:15
S173	1137	(anisotropic and conduct$5 and rubber and ((silicone or (polymerized adj2 siloxanes) or polysiloxane) same (grease or oil or lubricant)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:20
S174	865	(anisotropic and conduct$5 and rubber and ((silicone or (polymerized adj2 siloxanes) or polysiloxane) near4 (grease or oil or lubricant)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:20
S175	6	((anisotropic near4 conduct$5 near4 rubber) and ((silicone or (polymerized adj2 siloxanes) or polysiloxane) near4 (grease or oil or lubricant)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:21
S176	0	S175 and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:22
S177	8	((anisotropic near4 conduct$5 near4 rubber) and ((silicone or (polymerized adj2 siloxanes) or polysiloxane) near4 (grease or paste or gel or oil or lubricant)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:24
S178	2	S177 not S175	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:24
S179	1186	(eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses) and (((silicone or (polymerized adj2 siloxanes) or polysiloxane) near4 (grease or paste or gel or oil or	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:27

		lubricant)))				
S180	27	S179 and anisotropic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:27
S181	477	S179 and (rubber)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:28
S182	11	S179 and (conduct$5 near4 rubber)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:28
S183	21	S180 not S182	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:33
S184	121	S179 and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses).clm. and (((silicone or (polymerized adj2 siloxanes) or polysiloxane) near4 (grease or paste or gel or oil or lubricant)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:37
S185	108	S179 and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses) and (((silicone or (polymerized adj2 siloxanes) or polysiloxane) near4 (grease or paste or gel or oil or lubricant))).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:38
S186	107	S185 not (S180 or S177 or S175 or S172 or S170)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:40
S187	666	S179 and (electronics or electrical or battery or batteries or circuit or microchip or processor or antenna or computer$4 or signal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:46
S188	8092	(eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear	US-PGPUB; USPAT;	OR	ON	2014/04/29 19:47

		or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses) near6 (electronics or electrical or battery or batteries or circuit or microchip or processor or antenna or computer$4 or signal)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S189	52	S187 and S188	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:47
S190	163	351/159.39.ccls. or 351/159.4.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:55
S191	2	S179 and S190	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:55
S192	2	S190 and (((silicone or (polymerized adj2 siloxanes) or polysiloxane) near4 (grease or paste or gel or oil or lubricant)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:56
S193	52	S188 and (((silicone or (polymerized adj2 siloxanes) or polysiloxane) near4 (grease or paste or gel or oil or lubricant)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:57
S194	0	S193 not S189	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 19:57
S195	677	S179 and (connect or connected or connector or connecting or connection)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 20:08
S196	48	S179 and (((silicone or (polymerized adj2 siloxanes) or polysiloxane) same (grease or paste or gel or oil or lubricant))) same (connect or connected or connector or connecting or connection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 20:09

S197	972	S179 not (S180 or S182 or S183 or S186 or S189 or S191 or S192 or S193 or S196)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 20:17
S198	76	S197 and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 20:18
S199	1	(US-4243306-$).did.	USPAT	OR	ON	2014/04/29 20:27
S200	3	(eyewire or eye-wire or (eye adj2 wire)) near4 (rimlock or rim-lock)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 23:07
S201	15	(eyewire or eye-wire or (eye adj2 wire)) same (rimlock or rim-lock)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 23:09
S202	12	S201 not S200	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/29 23:10
S203	17	(eyewire or eye-wire or (eye adj2 wire)) and (rimlock or rim-lock)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/30 09:27
S204	35	(upper or lower or top or bottom or halves or half) same (rimlock or rim-lock)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/30 09:27
S205	16	S203 and S204	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/30 09:28
S206	53305	(coat or coated or coating or film or dipped or dip or deposit or depositing or deposited or apply or applied or applying) same (insulating or insulated or insulation or nonconductive or non-conductive or nonconducting or non-conducting) same (frame or rim or eyewire or eye-wire or (eye adj2 wire))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/30 09:57

S207	1138	351/90-102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/30 09:59
S208	0	S206 and S207	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/30 09:59
S209	37998	S206 and ((split$4 or bisect$5 or dual or two or upper or lower) same (frame or rim or eyewire or eye-wire or (eye adj2 wire)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/30 10:02
S210	16194	S209 and ((split$4 or bisect$5 or dual or two or upper or lower) near6 (frame or rim or eyewire or eye-wire or (eye adj2 wire)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/30 10:02
S211	11719	S210 and (electronics or electrical or battery or batteries or circuit or microchip or processor or antenna or computer$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/30 10:06
S212	10147	S209 and ((electronics or electrical or conduct$4 or current or circuit or node) near6 (frame or rim or eyewire or eye-wire or (eye adj2 wire)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/30 10:09
S213	5051	S211 and ((electronics or electrical or conduct$4 or current or circuit or node) near6 (frame or rim or eyewire or eye-wire or (eye adj2 wire)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/30 10:09
S214	39	S213 and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/30 10:10
S215	1	(US-20100177277-$).did.	US-PGPUB	OR	ON	2014/04/30 10:29
S216	1	(US-20100177277-$).did.	US-PGPUB	OR	ON	2014/04/30 17:30
S217	1	(US-4243306-$).did.	USPAT	OR	ON	2014/04/30 17:31
S218	1	"20100265456".pn.	US-PGPUB	OR	ON	2014/04/30 17:31
S219	2	S216 or S217 or S218	US-PGPUB	OR	ON	2014/04/30

						17:32
S220	3	S216 or S217 or S218	US-PGPUB; USPAT	OR	ON	2014/04/30 17:32
S221	697	G02C7/083.cpc. or G02C7/101.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/30 17:43
S222	697	S221	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/30 17:43
S223	214	S222 and ((electronics or electrical or conduct$4 or current or circuit or node) near6 (frame or rim or eyewire or eye-wire or (eye adj2 wire)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/30 17:44
S224	2	S223 and (((silicone or (polymerized adj2 siloxanes) or polysiloxane) near4 (grease or paste or gel or oil or lubricant)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/04/30 17:44
S225	141458	(eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 16:49
S226	42370	S225 and (electronics or electrical or battery or batteries or circuit or microchip or processor or antenna or computer$4 or electroactive or electro-active)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 16:53
S227	19470	S225 same (electronics or electrical or battery or batteries or circuit or microchip or processor or antenna or computer$4 or electroactive or electro-active)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 16:54
S228	9712	S227 and (water or waterproof$4 or water-proof$4 or moisture or moistureproof$4 or moisture-proof$4 or sweat or sweating or sweaty or salt or salted or salty or hermetic or hermetically or seal or sealed or sealing or sealer or proof or proofing or proofed or rain or swim or swimming or swimmer or snow or snowing or weather or precipitation or condensation or wet or humid or humidity or fluid or liquid or damp)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 16:59

S229	769368	((conduct$5 or metal$5) near4 (rubber$5 or compress$5 or flexib$4 or coil or coiled or bend$5))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 17:09
S230	726	S228 and S229	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 17:09
S231	627	S230 and (electro-activ$4 or electroactiv$4 or electro-chromic$4 or electrochromic$4 or display$4 or sensor or sensing or sensed or GPS or (global adj position$5) or alarm$4 or hearing or ((virtual or augment$4) near3 reality) or gaming or audio or microphone or recording or transmitter or pedometer or 3D or 3-D)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 17:18
S232	549	S231 and (cable$2 or wire or connector or plug$4 or receptacle or multiconduct$5 or multi-conduct$5 or (multi$4 adj2 conduct$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 17:30
S233	13200	(eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 17:30
S234	162	S232 and S233	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 17:31
S235	104	S234 and ((water near3 resistant) or waterproof$4 or water-proof$4 or moisture or moistureproof$4 or moisture-proof$4 or hermetic or hermetically or seal or sealed or sealing or sealer or proof or proofing or proofed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 17:37
S236	90	S235 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control$5 or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 17:51
S237	89	S236 and (electro-activ$4 or	US-PGPUB;	OR	ON	2014/10/30

		electroactiv$4 or electro-chromic$4 or electrochromic$4 or display$4 or sensor or sensing or sensed or ((virtual or augment$4) near3 reality) or gaming or 3D or 3-D)	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			17:54
S238	58	S237 and (electro-activ$4 or electroactiv$4 or electro-chromic$4 or electrochromic$4 or display$4 or sensor or sensing or sensed or ((virtual or augment$4) near3 reality) or gaming or 3D or 3-D).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 17:54
S239	1	(US-20060132382-$).did.	US-PGPUB	OR	ON	2014/10/30 18:22
S240	2	"20060095128".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 18:38
S241	60841	BLUM.in. or KOKONASKI.in. or LONGA.in. or GRAHAM.in. or HADDOCK.in. or WILLEY.in. or TABACCHI.in. or BOCK.in. or PINAZZA.in. or RICHMAN.in. or OZGUZ.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 19:19
S242	13953	Pugh.in. or Otts.in. or Riall.in. or Snook.in. or Putt.in. or Kernick.in. or Flitsch.in. or Higham.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 19:26
S243	153256	Jannard.in. or Nattress.in. or Mathur.in. or DaSilva.in. or Land.in. or Rose.in. or Davis.in. or Neil.in. or Reyes.in. or Yee.in. or Thixton or Baden.in. or Arnette.in. or Tackels.in. or Houston.in. or Moritz.in. or Rohrbach.in. or Zentil.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 19:41
S244	226757	S241 or S242 or S243	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 19:41
S245	17	S236 and S244	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 19:42
S246	6	S245 not S238	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 19:42
S247	73	S236 not S245	US-PGPUB; USPAT;	OR	ON	2014/10/30 19:44

			USOCR; EPO; JPO; DERWENT; IBM_TDB			
S248	73	S225 and S247	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 19:44
S249	73	S248 and ((water near3 resistant) or waterproof$4 or water-proof$4 or moisture or moistureproof$4 or moisture-proof$4 or hermetic or hermetically or seal or sealed or sealing or sealer or proof or proofing or proofed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 19:45
S250	1	(US-5455638-$).did.	USPAT	OR	ON	2014/10/30 20:27
S251	1	(US-4520238-$).did.	USPAT	OR	ON	2014/10/30 20:28
S252	9	"20100265456".pn. or "42433068".pn. or "20080273166".pn. or "4991951".pn. or "6772448".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 20:57
S253	2	"20050239502".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 21:02
S254	2	"20090201460".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 21:02
S255	2	"20120262667".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 21:02
S256	2	"20130250233".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 21:03
S257	16629	351/41-158.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 21:20
S258	16979	351/41-158,178.ccls.	US-PGPUB; USPAT; USOCR;	OR	ON	2014/10/30 21:21

			EPO; JPO; DERWENT; IBM_TDB			
S259	359	G02C11/06.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 21:32
S260	563	G02C11/10.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 21:32
S261	17348	S258 or S259 or S260	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 21:34
S262	1410	S261 and ((water near3 resistant) or waterproof$4 or water-proof$4 or moisture or moistureproof$4 or moisture-proof$4 or hermetic or hermetically or seal or sealed or sealing or sealer or proof or proofing or proofed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 21:34
S263	1381	S262 not (S238 or S245)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 21:35
S264	347	S263 and (electro-activ$4 or electroactiv$4 or electro-chromic$4 or electrochromic$4 or display$4 or sensor or sensing or sensed or ((virtual or augment$4) near3 reality) or gaming or 3D or 3-D)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 21:36
S265	188	S264 and (cable$2 or cord or wire or connector or multiconduct$5 or multi-conduct$5 or (multi$4 adj2 conduct$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 21:37
S266	63	S265 and (plug$4 or receptacle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 21:38
S267	9	S266 and (plug$4 and receptacle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 21:39

S268	54	S266 not S267	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/30 21:41
S269	1	(US-6824265-$).did.	USPAT	OR	ON	2014/10/31 01:05
S270	4	S239 or S250 or S251 or S269	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/31 01:05
S271	327074	((conduct$5 or (metal or metallic or metalic or metalized or metalization or metalizing)) near4 (elast$8 or rubber$5)) or (conductive near6 polymer near6 metal$4 near6 ion)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/31 01:17
S272	2	S270 and S271	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/10/31 01:17
S273	1	(US-4520238-$).did.	USPAT	OR	ON	2014/10/31 02:07
S274	1	(US-5455638-$).did.	USPAT	OR	ON	2014/10/31 02:07
S275	1	(US-20060132382-$).did.	US-PGPUB	OR	ON	2014/10/31 02:07
S276	1	(US-20060132382-$).did.	US-PGPUB	OR	ON	2015/06/24 11:34
S277	1	S276 and (insulat$5 or grease or acrylic or silicone or urethane or epoxy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 11:35
S278	1	(US-5455638-$).did.	USPAT	OR	ON	2015/06/24 11:46
S279	1	S278 and (insulat$5 or grease or acrylic or silicone or urethane or epoxy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 11:46
S280	1	(US-6824265-$).did.	USPAT	OR	ON	2015/06/24 11:51
S281	1	(US-4520238-$).did.	USPAT	OR	ON	2015/06/24 11:51
S282	2	S280 or S281	USPAT	OR	ON	2015/06/24 11:51
S283	2	S282 and (insulat$5 or grease or acrylic or silicone or urethane or	US-PGPUB; USPAT;	OR	ON	2015/06/24 12:12

		epoxy)	USOCR; EPO; JPO; DERWENT; IBM_TDB			
S284	342	US-2437642-$.DID. OR US-2576581-$.DID. OR US-2930857-$.DID. OR US-3161718-$.DID. OR US-3245315-$.DID. OR US-3309162-$.DID. OR US-3614215-$.DID. OR US-3738734-$.DID. OR US-3791719-$.DID. OR US-4062629-$.DID. OR US-4152846-$.DID. OR US-4174156-$.DID. OR US-4181408-$.DID. OR US-4190330-$.DID. OR US-4243306-$.DID. OR US-4264154-$.DID. OR US-4279474-$.DID. OR US-4283127-$.DID. OR US-4300818-$.DID. OR US-4320939-$.DID. OR US-1563929-$.DID. OR US-2170613-$.DID. OR US-4373218-$.DID. OR US-4395736-$.DID. OR US-4418990-$.DID. OR US-4423929-$.DID. OR US-4431262-$.DID. OR US-4457585-$.DID. OR US-4461550-$.DID. OR US-4466703-$.DID. OR US-4466706-$.DID. OR US-4529268-$.DID. OR US-4537479-$.DID. OR US-4564267-$.DID. OR US-4572616-$.DID. OR US-4577928-$.DID. OR US-4601545-$.DID. OR US-4609824-$.DID. OR US-4712870-$.DID. OR US-4756605-$.DID. OR US-4772094-$.DID. OR US-D298250-$.DID. OR US-2169417-$.DID. OR US-4787733-$.DID. OR US-4787903-$.DID. OR US-4795248-$.DID. OR US-4813777-$.DID. OR US-4818095-$.DID. OR US-4836652-$.DID. OR US-4842400-$.DID. OR US-4875030-$.DID. OR US-4880300-$.DID. OR US-4890903-$.DID. OR US-4904063-$.DID. OR US-4907860-$.DID. OR US-4909626-$.DID. OR US-4919520-$.DID. OR US-4921728-$.DID. OR US-5011990-$.DID. OR US-4927241-$.DID. OR US-4929865-$.DID. OR US-4930884-$.DID. OR US-4944584-$.DID. OR US-4952788-$.DID. OR US-4955712-$.DID. OR US-4958907-$.DID. OR US-4961639-$.DID. OR US-4967268-$.DID. OR US-4968127-$.DID. OR US-4981342-$.DID. OR US-4991258-$.DID. OR US-4991951-$.DID. OR US-5015086-$.DID. OR US-5030882-$.DID. OR US-5050981-$.DID. OR US-5066301-$.DID. OR US-5067795-$.DID. OR US-5073021-$.DID. OR US-5076665-$.DID. OR US-5089023-$.DID. OR US-5091801-$.DID. OR US-5108169-$.DID. OR US-5114218-$.DID. OR US-1011200-$.DID. OR US-5114628-$.DID. OR US-5130856-$.DID. OR US-5142411-$.DID. OR US-5150234-$.DID. OR US-5171266-$.DID. OR US-5182585-$.DID. OR US-	US-PGPUB; USPAT; USOCR; EPO	OR	ON	2015/06/24 13:28

		5184156-$.DID. OR US-5200859-$.DID. OR US-5208688-$.DID. OR US-5229885-$.DID. OR US-5231430-$.DID. OR US-5239412-$.DID. OR US-D342063-$.DID. OR US-5305028-$.DID. OR US-5306926-$.DID. OR US-5319397-$.DID. OR US-5324930-$.DID. OR US-D350342-$.DID. OR US-5352886-$.DID. OR US-5359444-$.DID. OR US-5375006-$.DID. OR US-5382986-$.DID. OR US-5386308-$.DID. OR US-5739959-$.DID. OR US-5424927-$.DID. OR US-5774273-$.DID. OR US-5440357-$.DID. OR US-5443506-$.DID. OR US-5451766-$.DID. OR US-5455638-$.DID. OR US-5463428-$.DID. OR US-5488439-$.DID. OR US-5489302-$.DID. OR US-5522323-$.DID. OR US-5526067-$.DID. OR US-5552841-$.DID. OR US-5608567-$.DID. OR US-5615588-$.DID. OR WO-2006126881-$.DID. OR WO-20061235960-$.DID. OR WO-2007142520-$.DID. OR WO-2007142602-$.DID. OR WO-2008002388-$.DID. OR WO-200802407-$.DID. OR JP-2008083299-$.DID. OR WO-2008045283-$.DID. OR US-5654789-$.DID. OR US-5657107-$.DID. OR US-5668620-$.DID. OR US-5682223-$.DID. OR US-5683457-$.DID. OR US-1265686-$.DID. OR US-5710615-$.DID. OR US-5712721-$.DID. OR US-5728155-$.DID. OR US-5742379-$.DID. OR US-5760869-$.DID. OR US-5764338-$.DID. OR US-5777719-$.DID. OR US-5815233-$.DID. OR US-5815239-$.DID. OR US-5835185-$.DID. OR US-5861936-$.DID. OR US-5877876-$.DID. OR WO-2008046858-$.DID. OR EP-1916561-$.DID. OR WO-2008051520-$.DID. OR WO-2008115251-$.DID. OR WO-2009081542-$.DID. OR WO-2009098719-$.DID. OR WO-2009109749-$.DID. OR WO-2009126946-$.DID. OR US-5900720-$.DID. OR US-5949521-$.DID. OR US-5953098-$.DID. OR US-5956183-$.DID. OR US-5963300-$.DID. OR US-5971540-$.DID. OR US-5980037-$.DID. OR US-5999328-$.DID. OR US-6040947-$.DID. OR US-6050687-$.DID. OR US-6069742-$.DID. OR US-6086203-$.DID. OR US-6086204-$.DID. OR US-6095651-$.DID. OR US-6097450-$.DID. OR US-6099117-$.DID. OR US-6115177-$.DID. OR US-6145987-$.DID. OR US-6163926-$.DID. OR WO-2009125184-$.DID. OR WO-2009136667-$.DID. OR JP-09294654-$.DID. OR WO-2010062504-$.DID. OR WO-				

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S285	0	S281 and S284	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 14:34
S286	17064	351/41-158.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 16:11

S287	9755	351/159.$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 16:11
S288	628	351/178.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 16:11
S289	26018	S286 or S287 or S288	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 16:11
S290	891	G02C7/083.cpc. or G02C7/101.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 16:11
S291	1160	351/90-102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 16:11
S292	891	G02C7/083.cpc. or G02C7/101.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 16:11
S293	891	S292	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 16:11
S294	17431	351/41-158,178.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 16:11
S295	366	G02C11/06.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 16:11
S296	786	G02C11/10.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 16:11

S297	17903	S294 or S295 or S296	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 16:11
S298	26808	351/41-178.ccls. or S289 or S290 or S297 or S291 or S293	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 16:11
S299	4397	S298 and ((water near3 resistant) or waterproof$4 or water-proof$4 or moisture or moistureproof$4 or moisture-proof$4 or hermetic or hermetically or seal or sealed or sealing or sealer or proof or proofing or proofed or tight or tightly)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 16:13
S300	766	S299 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control$5 or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 16:13
S301	3051	S299 and ((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 16:16
S302	1685	S301 and ((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 16:18
S303	357	S302 and ((electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control$5 or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 16:19
S304	77	S303 and ((water near3 resistant) or waterproof$4 or water-proof$4 or moisture or moistureproof$4 or moisture-proof$4 or hermetic or hermetically or seal or sealed or sealing or sealer or proof or proofing or proofed or tight or tightly).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 16:22

S305	77	S304 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control$5 or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 16:23
S306	77	S304 or S305	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 16:24
S307	1	(US-20080002141-$).did.	US-PGPUB	OR	ON	2015/06/24 16:27
S308	62422	BLUM.in. or KOKONASKI.in. or LONGA.in. or GRAHAM.in. or HADDOCK.in. or WILLEY.in. or TABACCHI.in. or BOCK.in. or PINAZZA.in. or RICHMAN.in. or OZGUZ.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 18:41
S309	123031	mitsui.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 18:42
S310	185436	S308 or S309	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 18:42
S311	23775	S310 and ((water near3 resistant) or waterproof$4 or water-proof$4 or moisture or moistureproof$4 or moisture-proof$4 or hermetic or hermetically or seal or sealed or sealing or sealer or proof or proofing or proofed or tight or tightly)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 18:43
S312	3510	S311 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control$5 or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 18:46
S313	159	S312 and ((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 18:47

S314	1	(US-20130215374-$).did.	US-PGPUB	OR	ON	2015/06/24 18:51
S315	34	"9028062".pn. or "8979259".pn. or "8944590".pn. or "8905541".pn. or "20140293215".pn. or EP2745167.pn. or "8708483".pn. or "20140104566".pn. or AU2012296482.pn. or "20130278881".pn. or "20130242253".pn. or "20130201439".pn. or "20130070198".pn. or CA2844986.pn. or WO2013025933.pn. or "20130010256".pn. or "8337014".pn. or "20120127420".pn. or "20120127423".pn. or "20120002160".pn. or "20120002159".pn. or "20100271588".pn. or "20100177277".pn. or "20080273166".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/24 19:04
S322	21015	((insulat$5 or grease or acrylic or silicone or urethane or epoxy) and ((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/11/30 19:08
S323	5667	S322 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control$5 or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/11/30 19:09
S324	2805	((insulat$5 or grease or acrylic or silicone or urethane or epoxy) and ((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)).clm.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/11/30 19:10
S325	1095	S323 and S324	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/11/30 19:11
S326	202	S325 and (insulat$5 or grease or acrylic or silicone or urethane or epoxy).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/11/30 19:11
S327	21023	((insulat$5 or grease or acrylic or silicone or urethane or epoxy) and	US-PGPUB; USPAT;	OR	ON	2015/12/01 01:02

		((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)))	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S328	5671	S327 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control$5 or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 01:02
S329	2806	((insulat$5 or grease or acrylic or silicone or urethane or epoxy) and ((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)).clm.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 01:02
S330	1096	S328 and S329	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 01:02
S331	202	S330 and (insulat$5 or grease or acrylic or silicone or urethane or epoxy).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 01:02
S332	162	S331 and (wire or wiring or wired or connector or cable or interconnect$3 or inter-connect$3 or conduct$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 01:05
S333	842	((insulat$5 same (grease or acrylic or silicone or urethane or epoxy)) and ((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 01:13
S334	807	S333 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 01:14
S335	90	S334 and ((eyeglasses or eye-glasses	US-PGPUB;	OR	ON	2015/12/01

		or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)).clm.	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			01:15
S336	88	S335 and (wire or wiring or wired or connector or cable or interconnect$3 or inter-connect$3 or conduct$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 01:15
S337	1	(US-5946071-$).did.	USPAT	OR	ON	2015/12/01 01:19
S338	1	(US-6231703-$).did.	USPAT	OR	ON	2015/12/01 01:21
S339	1	(US-20020140899-$).did.	US-PGPUB	OR	ON	2015/12/01 01:26
S340	1	(US-20120310339-$).did.	US-PGPUB	OR	ON	2015/12/01 01:37
S341	1	(US-20130070198-$).did.	US-PGPUB	OR	ON	2015/12/01 01:38
S342	1	(US-20140213917-$).did.	US-PGPUB	OR	ON	2015/12/01 01:40
S343	1	(US-20130215374-$).did.	US-PGPUB	OR	ON	2015/12/01 01:40
S344	2	"20130250233".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 07:33
S345	1	S344 and (insulat$5 or grease or acrylic or silicone or urethane or epoxy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 07:34
S346	1349	(((silicone or (polymerized adj2 siloxanes) or polysiloxane) near6 (paste or compound or oil or viscosity or lubrican$4 or grease)) and (insulat$5 or grease or acrylic or silicone or urethane or epoxy) and ((water near3 resistant) or waterproof$4 or water-proof$4 or moisture or moistureproof$4 or moisture-proof$4 or hermetic or hermetically or seal or sealed or sealing or sealer or proof or proofing or proofed or tight or tightly) and ((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 08:38
S347	1173	S346 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4	US-PGPUB; USPAT; USOCR;	OR	ON	2015/12/01 08:39

		or electroactive or electro-active or control or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4)	FPRS; EPO; JPO; DERWENT; IBM_TDB			
S348	54781	(((silicone or (polymerized adj2 siloxanes) or polysiloxane) near6 (paste or compound or oil or viscosity or lubrican$4 or grease)) and (insulat$5 or grease or acrylic or silicone or urethane or epoxy) same (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 08:42
S349	544	S347 and S348	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 08:43
S350	29	S349 and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 08:44
S351	1	(US-20040121528-$).did.	US-PGPUB	OR	ON	2015/12/01 08:53
S352	1	(US-20040121528-$).did.	US-PGPUB	OR	ON	2015/12/01 09:08
S353	515	S349 not S350	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 09:10
S354	317	S353 and insulat$5 and (grease or acrylic or silicone or urethane or epoxy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 09:26
S355	32	S354 and insulat$5 and grease and (acrylic or silicone or urethane or epoxy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 09:27

S356	285	S354 not S355	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 09:30
S357	1	(US-20080130272-$).did.	US-PGPUB	OR	ON	2015/12/01 10:37
S358	21023	((insulat$5 or grease or acrylic or silicone or urethane or epoxy) and ((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 11:18
S359	5671	S358 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control$5 or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 11:18
S360	2806	((insulat$5 or grease or acrylic or silicone or urethane or epoxy) and ((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)).clm.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 11:18
S361	1096	S359 and S360	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 11:18
S362	308	S361 and insulat$5 and (grease or acrylic or silicone or urethane or epoxy or polyurethane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 11:18
S363	303	S362 and insulat$5 and (grease or acrylic or silicone or urethane or epoxy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 11:21
S364	1	(US-20080239452-$).did.	US-PGPUB	OR	ON	2015/12/01 11:36
S365	1836	G02C11/10.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2015/12/01 12:23

			IBM_TDB			
S366	2723	G02C11/00.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 12:23
S367	625	G02C11/04.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 12:23
S368	951	G02C11/06.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 12:23
S369	1827	351/158.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 12:24
S370	84	S365 and insulat$5 and (grease or acrylic or silicone or urethane or epoxy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 12:24
S371	13	"11261035"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 12:40
S372	3388	S365 or S366 or S367 or S368 or S369	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 12:43
S373	124	S372 and insulat$5 and (grease or acrylic or silicone or urethane or epoxy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 12:44
S374	40	S373 not S370	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2015/12/01 12:44

			IBM_TDB			
S375	40	S374 and (grease or acrylic or silicone or urethane or epoxy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 12:59
S376	1	(US-20100265456-$).did.	US-PGPUB	OR	ON	2015/12/01 13:01
S377	986	(insulat$5 and (grease or acrylic or silicone or urethane or epoxy)) same (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4) and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 14:01
S378	97	S377 and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 14:02
S379	1836	G02C11/10.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 14:04
S380	2723	G02C11/00.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 14:04
S381	625	G02C11/04.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 14:04
S382	951	G02C11/06.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 14:04
S383	1827	351/158.ccls.	US-PGPUB;	OR	ON	2015/12/01

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			14:04
S384	84	S379 and insulat$5 and (grease or acrylic or silicone or urethane or epoxy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 14:04
S385	3388	S379 or S380 or S381 or S382 or S383	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 14:04
S386	124	S385 and insulat$5 and (grease or acrylic or silicone or urethane or epoxy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 14:04
S387	40	S386 not S384	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 14:04
S388	40	S387 and (grease or acrylic or silicone or urethane or epoxy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 14:04
S389	73	S378 not (S384 or S386 or S388)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 14:04
S390	81	(US-20110139163-$ or US-20110102734-$ or US-20090147215-$ or US-20090059159-$ or US-20080143954-$ or US-20070030442-$ or US-20060023158-$ or US-20040217555-$ or US-20030025228-$ or US-20020037232-$ or US-20120162600-$ or US-20020140899-$ or US-20100076553-$ or US-20100265456-$ or US-20080068559-$ or US-20120220234-$ or US-20110051982-$ or US-20080144854-$ or US-20070248238-$ or US-20100296027-$ or US-20100177277-$ or US-20040050076-$ or US-	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2015/12/01 14:15

		20040050072-$ or US-20040059212-$ or US-20060132382-$ or US-20130293448-$).did. or (US-20140078462-$ or US-20090082835-$ or US-20050239502-$ or US-20080002141-$ or US-20090115962-$ or US-20130169924-$ or US-20130215374-$ or US-20130242262-$ or US-20100201938-$ or US-20030058406-$ or US-20030231293-$ or US-20040027501-$ or US-20040051846-$ or US-20080130272-$ or US-20120288654-$ or US-20120310339-$ or US-20130070198-$ or US-20140213917-$ or US-20030068505-$ or US-20040121528-$ or US-20080239452-$ or US-20120155064-$).did. or (US-2930857-$ or US-4418990-$ or US-4991951-$ or US-6719425-$ or US-4338377-$ or US-6772448-$ or US-5835185-$ or US-5900720-$ or US-5455638-$ or US-5455637-$ or US-6074059-$ or US-7527374-$ or US-6231703-$ or US-5846649-$ or US-4243306-$ or US-4520238-$ or US-5606743-$ or US-6824265-$ or US-5164707-$ or US-5946071-$ or US-6517203-$ or US-5229885-$).did. or (US-2930857-$).did. or (EP-2233964-$ or WO-2009081542-$).did. or (WO-2009098719-$).did. or (JP-2003149607-$).did. or (WO-2009081542-$ or US-20030174277-$ or US-4991951-$ or DE-3221690-$).did.				
S391	54	S390 and ((grease or acrylic or silicone or urethane or epoxy))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 14:16
S393	1	(US-20040121528-$).did.	US-PGPUB	OR	ON	2015/12/01 19:06
S394	1	(US-20090082835-$).did.	US-PGPUB	OR	ON	2015/12/01 19:15
S395	1	(US-20090082835-$).did.	US-PGPUB	OR	ON	2015/12/01 19:18
S396	1	(US-20090082835-$).did.	US-PGPUB	OR	ON	2015/12/01 23:28
S397	2	"20130250233".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/01 23:51
S398	2	S397 and (configured or adapted or designed or capable)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;	OR	ON	2015/12/01 23:52

			IBM_TDB			
S399	2	(US-5455638-$ or US-4520238-$).did.	USPAT	OR	ON	2015/12/02 00:43
S400	2	"20060132382".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/02 00:43
S401	1	(US-6824265-$).did.	USPAT	OR	ON	2015/12/02 00:45
S402	6	S396 or S399 or S401 or S400	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/12/02 00:45
S403	5	(US-20090082835-$ or US-20060132382-$).did. or (US-5455638-$ or US-4520238-$ or US-6824265-$).did.	US-PGPUB; USPAT	OR	ON	2015/12/02 00:46
S404	163251	(eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/19 00:06
S405	17858	S404 and ((grease or acrylic or silicone or urethane or epoxy))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/19 00:07
S406	13048	S405 and (water or waterproof$4 or water-proof$4 or moisture or moistureproof$4 or moisture-proof$4 or sweat or sweating or sweaty or salt or salted or salty or hermetic or hermetically or seal or sealed or sealing or sealer or proof or proofing or proofed or rain or swim or swimming or swimmer or snow or snowing or weather or precipitation or condensation or wet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/19 00:08
S407	1061	S406 and ((waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or hermetic or hermetically or seal or sealed or sealing or sealer) with (grease or acrylic or silicone or urethane or epoxy))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/19 00:10
S408	137	S407 and ((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses) same ((waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or hermetic or hermetically or	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/19 00:10

		seal or sealed or sealing or sealer) same (grease or acrylic or silicone or urethane or epoxy)))				
S409	132	S408 and (seal or sealed or sealing or sealer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/19 00:11
S410	94	S409 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/19 00:12
S411	96	S409 and (power or electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/19 00:12
S412	96	S409 and (hearing or power or electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/19 00:13
S413	1	(US-5066022-$).did.	USPAT	OR	ON	2016/06/19 00:14
S414	1	(US-6166849-$).did.	USPAT	OR	ON	2016/06/19 00:15
S415	1	(US-20010024719-$).did.	US-PGPUB	OR	ON	2016/06/19 00:15
S416	1	(US-20020140899-$).did.	US-PGPUB	OR	ON	2016/06/19 00:16
S417	1	(US-6787606-$).did.	USPAT	OR	ON	2016/06/19 00:17
S418	1	(US-20120029367-$).did.	US-PGPUB	OR	ON	2016/06/19 00:19
S419	1	(US-20140104566-$).did.	DERWENT	OR	ON	2016/06/19 00:20
S420	1	(US-20120029367-$).did.	US-PGPUB	OR	ON	2016/06/19 18:21
S421	1	(US-20030231293-$).did.	US-PGPUB	OR	ON	2016/06/19 18:23

S422	1	(US-6166849-$).did.	USPAT	OR	ON	2016/06/19 18:29
S423	1	(US-5066022-$).did.	USPAT	OR	ON	2016/06/19 18:31
S424	837179	((seal or sealed or sealing or sealer) with (hearing or power or electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/19 18:47
S425	2688	S424 and ((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/19 18:48
S426	1458	S425 and ((grease or acrylic or silicone or urethane or epoxy))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/19 18:49
S427	223	S426 and ((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/19 18:50
S428	1	(US-4254451-$).did.	USPAT	OR	ON	2016/06/19 18:58
S429	837179	((seal or sealed or sealing or sealer) with (hearing or power or electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/19 22:46
S430	2688	S429 and ((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/19 22:46
S431	1458	S430 and ((grease or acrylic or silicone or urethane or epoxy))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2016/06/19 22:46

			DERWENT; IBM_TDB			
S432	223	S431 and ((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/19 22:46
S433	33	S432 and (optic$4 adj2 power)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/19 22:46
S434	190	S432 not S433	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/19 22:47
S435	166	S434 and (wire or wired or wiring or cable or cabling or conductor or conductive or conducting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/19 22:49
S436	1	(US-4254451-$).did.	USPAT	OR	ON	2016/06/19 23:07
S437	60	S435 and (battery or batteries or solar)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/19 23:09
S438	172	S434 and (wire or wired or wiring or cable or cabling or conductor or conductive or conducting or ribbon or circuit$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/19 23:09
S439	64	S438 and (battery or batteries or solar)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/19 23:10
S440	1	(US-6433913-$).did.	USPAT	OR	ON	2016/06/19 23:38
S441	1	(US-20030095336-$).did.	US-PGPUB	OR	ON	2016/06/19 23:41
S442	1	(US-20040160538-$).did.	US-PGPUB	OR	ON	2016/06/19 23:43
S443	1	(US-4254451-$).did.	USPAT	OR	ON	2016/06/20

						00:24
S444	1	(US-5455638-$).did.	USPAT	OR	ON	2016/06/20 01:33
S445	1	S444 and ((grease or acrylic or silicone or urethane or epoxy))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/20 01:34
S446	134	((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)) same ((seal$4) with (grease or acrylic or silicone or urethane or epoxy))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/20 01:36
S447	62	S446 and (optic$4 adj2 power)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/20 01:37
S448	40	S446 and (optic$4 adj power)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/20 01:37
S449	94	S446 not S448	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/20 01:37
S450	66	S449 and ((light$3 or ("LED") or diode or hearing or power or electronics or electrical or battery or batteries or solar or photovoltaic or photo-voltaic or microchip or processor or antenna or computer$4 or electroactive or electro-active or control or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/20 01:39
S451	1877	351/158.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/20 01:56
S452	248	S451 and ((grease or acrylic or silicone or urethane or epoxy))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2016/06/20 01:57

			DERWENT; IBM_TDB			
S453	229	S452 and ((light$3 or ("LED") or diode or hearing or power or electronics or electrical or battery or batteries or solar or photovoltaic or photo-voltaic or microchip or processor or antenna or computer$4 or electroactive or electro-active or control or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/20 01:58
S454	208	S453 and ((lamp or ("LED") or diode or hearing or power or electronics or electrical or battery or batteries or solar or photovoltaic or photo-voltaic or microchip or processor or antenna or computer$4 or electroactive or electro-active or control or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/20 01:59
S455	1	(US-5654786-$).did.	USPAT	OR	ON	2016/06/20 02:07
S456	1	(US-5946071-$).did.	USPAT	OR	ON	2016/06/20 02:10
S457	1	(US-20070030442-$).did.	US-PGPUB	OR	ON	2016/06/20 02:20
S458	1	(US-7581833-$).did.	USPAT	OR	ON	2016/06/20 02:30
S459	3	"20070046887".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/20 02:31
S460	1	S459 and ((grease or acrylic or silicone or urethane or epoxy))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/20 02:31
S461	1	(US-20070046887-$).did.	US-PGPUB	OR	ON	2016/06/20 02:32
S462	1	(US-7874666-$).did.	USPAT	OR	ON	2016/06/20 02:40
S463	1	(US-20110187989-$).did.	US-PGPUB	OR	ON	2016/06/20 02:43
S464	101	(US-20080273166-$ or US-20110139163-$ or US-20110102734-$ or US-20090147215-$ or US-20090059159-$ or US-20080143954-$ or US-20070030442-$ or US-20060023158-$ or US-20040217555-$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2016/06/20 09:47

		or US-20030025228-$ or US-20020037232-$ or US-20120162600-$ or US-20070146627-$ or US-20020140899-$ or US-20100076553-$ or US-20100265456-$ or US-20080068559-$ or US-20120220234-$ or US-20110051982-$ or US-20080144854-$ or US-20070248238-$ or US-20100296027-$ or US-20100177277-$ or US-20040050076-$ or US-20040050072-$ or US-20040059212-$).did. or (US-20060132382-$ or US-20130293448-$ or US-20140078462-$ or US-20090082835-$ or US-20050239502-$ or US-20080002141-$ or US-20090115962-$ or US-20130169924-$ or US-20130215374-$ or US-20130242262-$ or US-20100201938-$ or US-20030058406-$ or US-20030231293-$ or US-20040027501-$ or US-20040051846-$ or US-20080130272-$ or US-20120288654-$ or US-20120310339-$ or US-20130070198-$ or US-20140213917-$ or US-20030068505-$ or US-20040121528-$ or US-20080239452-$ or US-20120155064-$ or US-20010024719-$ or US-20040099356-$ or US-20120029367-$).did. or (US-20030095336-$ or US-20040160538-$ or US-20070279584-$ or US-20070046887-$ or US-20110187989-$).did. or (US-2930857-$ or US-4418990-$ or US-4991951-$ or US-6719425-$ or US-4338377-$ or US-6772448-$ or US-5835185-$ or US-5900720-$ or US-5455638-$ or US-5455637-$ or US-6074059-$ or US-7527374-$ or US-6231703-$ or US-5846649-$ or US-4243306-$ or US-4520238-$ or US-5606743-$ or US-6824265-$ or US-5164707-$ or US-5946071-$ or US-6517203-$ or US-5229885-$ or US-5066022-$ or US-6166849-$ or US-4254451-$ or US-6433913-$).did. or (US-5654786-$ or US-6431705-$ or US-7581833-$ or US-7874666-$ or US-8979295-$).did. or (US-2930857-$).did. or (EP-2233964-$ or WO-2009081542-$).did. or (WO-2009098719-$).did. or (JP-2003149607-$).did. or (WO-2009081542-$ or US-20030174277-$ or US-4991951-$ or DE-3221690-$ or US-20140104566-$).did.				
S465	74	S464 and ((grease or acrylic or silicone or urethane or epoxy))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/20 09:48
S466	26	S465 and ((seal or sealed or sealing or sealer or sealant) same (grease or	US-PGPUB; USPAT;	OR	ON	2016/06/20 09:52

		acrylic or silicone or urethane or epoxy))	USOCR; EPO; JPO; DERWENT; IBM_TDB			
S467	23	S466 and ((seal or sealed or sealing or sealer or sealant) with (grease or acrylic or silicone or urethane or epoxy))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/06/20 09:52
S468	1	(US-6433913-$).did.	USPAT	OR	ON	2016/06/20 10:11
S469	1	(US-6433913-$).did.	USPAT	OR	ON	2016/06/20 13:07
S470	1	(US-4254451-$).did.	USPAT	OR	ON	2016/06/20 13:07
S471	1	(US-5455638-$).did.	USPAT	OR	ON	2016/06/20 13:07
S472	3	S468 or S470 or S469 or S471	USPAT	OR	ON	2016/06/20 13:07
S473	3	(US-4254451-$ or US-5455638-$ or US-6433913-$).did.	USPAT	OR	ON	2016/06/20 13:08
S474	2	"20130250233".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/21 11:11
S475	1	S474 and conform$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/21 11:12
S476	3	(US-4254451-$ or US-5455638-$ or US-6433913-$).did.	USPAT	OR	ON	2017/02/21 11:59
S477	0	S476 and conform$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/21 11:59
S478	3	S476 and (coat or coated or coating or film or dipped or dip or deposit or depositing or deposited or encas$4 or encapsulat$6 or conform$6 or spray$4 or dipping or brush$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/21 12:04
S479	101	(US-20080273166-$ or US-20110139163-$ or US-20110102734-$ or US-20090147215-$ or US-20090059159-$ or US-20080143954-$ or US-20070030442-$ or US-20060023158-$ or US-20040217555-$ or US-20030025228-$ or US-20020037232-$ or US-20120162600-$ or US-20070146627-$ or US-20020140899-$ or US-20100076553-$ or US-20100265456-$ or US-	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2017/02/21 12:19

		20080068559-$ or US-20120220234-$ or US-20110051982-$ or US-20080144854-$ or US-20070248238-$ or US-20100296027-$ or US-20100177277-$ or US-20040050076-$ or US-20040050072-$ or US-20040059212-$).did. or (US-20060132382-$ or US-20130293448-$ or US-20140078462-$ or US-20090082835-$ or US-20050239502-$ or US-20080002141-$ or US-20090115962-$ or US-20130169924-$ or US-20130215374-$ or US-20130242262-$ or US-20100201938-$ or US-20030058406-$ or US-20030231293-$ or US-20040027501-$ or US-20040051846-$ or US-20080130272-$ or US-20120288654-$ or US-20120310339-$ or US-20130070198-$ or US-20140213917-$ or US-20030068505-$ or US-20040121528-$ or US-20080239452-$ or US-20120155064-$ or US-20010024719-$ or US-20040099356-$ or US-20120029367-$).did. or (US-20030095336-$ or US-20040160538-$ or US-20070279584-$ or US-20070046887-$ or US-20110187989-$).did. or (US-2930857-$ or US-4418990-$ or US-4991951-$ or US-6719425-$ or US-4338377-$ or US-6772448-$ or US-5835185-$ or US-5900720-$ or US-5455638-$ or US-5455637-$ or US-6074059-$ or US-7527374-$ or US-6231703-$ or US-5846649-$ or US-4243306-$ or US-4520238-$ or US-5606743-$ or US-6824265-$ or US-5164707-$ or US-5946071-$ or US-6517203-$ or US-5229885-$ or US-5066022-$ or US-6166849-$ or US-4254451-$ or US-6433913-$).did. or (US-5654786-$ or US-6431705-$ or US-7581833-$ or US-7874666-$ or US-8979295-$).did. or (US-2930857-$).did. or (EP-2233964-$ or WO-2009081542-$).did. or (WO-2009098719-$).did. or (JP-2003149607-$).did. or (WO-2009081542-$ or US-20030174277-$ or US-4991951-$ or DE-3221690-$ or US-20140104566-$).did.				
S480	76	S479 and (coat or coated or coating or encased or encasing or encapsule or encapsulated or encapsulation or encapsulating or conform$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/21 12:20
S481	75	S480 and ((lamp or ("LED") or diode or hearing or power or electronics or electrical or electric or electrically or battery or batteries or solar or photovoltaic or photo-voltaic or microchip or processor or antenna or computer$4 or electroactive or electro-	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/21 12:22

		active or control or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4))				
S482	73	S481 and ((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/21 12:24
S483	67	S482 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or hermetic or hermetically or short or atmospher$6 or rain or water or moisture or liquid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/21 13:09
S484	101	(US-20080273166-$ or US-20110139163-$ or US-20110102734-$ or US-20090147215-$ or US-20090059159-$ or US-20080143954-$ or US-20070030442-$ or US-20060023158-$ or US-20040217555-$ or US-20030025228-$ or US-20020037232-$ or US-20120162600-$ or US-20070146627-$ or US-20020140899-$ or US-20100076553-$ or US-20100265456-$ or US-20080068559-$ or US-20120220234-$ or US-20110051982-$ or US-20080144854-$ or US-20070248238-$ or US-20100296027-$ or US-20100177277-$ or US-20040050076-$ or US-20040050072-$ or US-20040059212-$).did. or (US-20060132382-$ or US-20130293448-$ or US-20140078462-$ or US-20090082835-$ or US-20050239502-$ or US-20080002141-$ or US-20090115962-$ or US-20130169924-$ or US-20130215374-$ or US-20130242262-$ or US-20100201938-$ or US-20030058406-$ or US-20030231293-$ or US-20040027501-$ or US-20040051846-$ or US-20080130272-$ or US-20120288654-$ or US-20120310339-$ or US-20130070198-$ or US-20140213917-$ or US-20030068505-$ or US-20040121528-$ or US-20080239452-$ or US-20120155064-$ or US-20010024719-$ or US-20040099356-$ or US-20120029367-$).did. or (US-20030095336-$ or US-20040160538-$ or US-20070279584-$ or US-20070046887-$ or US-20110187989-$).did. or (US-2930857-$ or US-4418990-$ or US-4991951-$ or US-6719425-$ or US-4338377-$ or US-6772448-$ or US-5835185-$ or US-	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2017/02/22 07:10

		5900720-$ or US-5455638-$ or US-5455637-$ or US-6074059-$ or US-7527374-$ or US-6231703-$ or US-5846649-$ or US-4243306-$ or US-4520238-$ or US-5606743-$ or US-6824265-$ or US-5164707-$ or US-5946071-$ or US-6517203-$ or US-5229885-$ or US-5066022-$ or US-6166849-$ or US-4254451-$ or US-6433913-$).did. or (US-5654786-$ or US-6431705-$ or US-7581833-$ or US-7874666-$ or US-8979295-$).did. or (US-2930857-$).did. or (EP-2233964-$ or WO-2009081542-$).did. or (WO-2009098719-$).did. or (JP-2003149607-$).did. or (WO-2009081542-$ or US-20030174277-$ or US-4991951-$ or DE-3221690-$ or US-20140104566-$).did.				
S485	76	S484 and (coat or coated or coating or encased or encasing or encapsule or encapsulated or encapsulation or encapsulating or conform$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 07:10
S486	75	S485 and ((lamp or ("LED") or diode or hearing or power or electronics or electrical or electric or electrically or battery or batteries or solar or photovoltaic or photo-voltaic or microchip or processor or antenna or computer$4 or electroactive or electro-active or control or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 07:10
S487	73	S486 and ((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 07:10
S488	67	S487 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or hermetic or hermetically or short or atmospher$6 or rain or water or moisture or liquid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 07:10
S489	67	S488	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 07:10
S490	45	S489 and (encased or encasing or encapsule or encapsulated or encapsulation or encapsulating or	US-PGPUB; USPAT; USOCR;	OR	ON	2017/02/22 07:12

		conform$6)	EPO; JPO; DERWENT; IBM_TDB			
S491	37	S490 and (conform$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 07:12
S492	1	(US-20040121528-$).did.	US-PGPUB	OR	ON	2017/02/22 07:21
S493	13517	(((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)) and conform$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 08:22
S494	4078	(((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)) and (conformal or conforming))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 08:23
S495	838	(((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)) and (conformal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 08:23
S496	341	(((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)) and (conformal) and (temple or arm))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 08:24
S497	106	S496 and (((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)).clm. and (conformal) and (temple or arm))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 08:24
S498	96	S497 and ((lamp or ("LED") or diode or hearing or power or electronics or electrical or electric or electrically or battery or batteries or solar or photovoltaic or photo-voltaic or microchip or processor or antenna or computer$4 or electroactive or electro-active or control or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 08:25
S499	89	S498 and (waterproof$4 or water-proof$4 or moistureproof$4 or	US-PGPUB; USPAT;	OR	ON	2017/02/22 08:26

		moisture-proof$4 or hermetic or hermetically or short or atmospher$6 or rain or water or moisture or liquid)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S500	85	S499 and (coat or coated or coating or encased or encasing or encapsule or encapsulated or encapsulation or encapsulating)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 08:27
S501	1	(US-20040084790-$).did.	US-PGPUB	OR	ON	2017/02/22 08:42
S502	1	(US-20090306594-$).did.	US-PGPUB	OR	ON	2017/02/22 10:23
S503	1	(US-20120262667-$).did.	US-PGPUB	OR	ON	2017/02/22 10:33
S504	13	"11261035"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 10:42
S505	7	"11261035"	US-PGPUB	OR	ON	2017/02/22 10:42
S506	235	S496 and (coat or coated or coating or encased or encasing or encapsule or encapsulated or encapsulation or encapsulating)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 11:03
S507	228	S506 and ((lamp or ("LED") or diode or hearing or power or electronics or electrical or electric or electrically or battery or batteries or solar or photovoltaic or photo-voltaic or microchip or processor or antenna or computer$4 or electroactive or electro-active or control or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 11:03
S508	223	S507 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or hermetic or hermetically or short or atmospher$6 or rain or water or moisture or liquid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 11:08
S509	138	S508 not S500	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 11:09
S510	1	(US-20060126698-$).did.	US-PGPUB	OR	ON	2017/02/22 12:09

S511	2	"20050140924".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 12:24
S512	1	S511 and (acrylic or urethane or silicone or epoxy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 12:26
S513	0	S512 and (brush$4 or spray$5 or dip$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 12:26
S514	1	S512 and (deposit$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 12:27
S515	1	S514 and (size or sized or sizing or mm or micron or thick or thickness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 12:28
S516	1	S515 and (conform$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 12:33
S517	1	S516 and (coat or coated or coating or encased or encasing or encapsule or encapsulated or encapsulation or encapsulating)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 12:34
S518	1	(US-20050140924-$).did.	US-PGPUB	OR	ON	2017/02/22 12:47
S519	1	(US-20050140924-$).did.	US-PGPUB	OR	ON	2017/02/22 13:05
S520	1	(US-20040121528-$).did.	US-PGPUB	OR	ON	2017/02/22 13:05
S521	1	(US-4254451-$).did.	USPAT	OR	ON	2017/02/22 13:06
S522	0	S521 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or hermetic or hermetically or short or atmospher$6 or rain or water or moisture or liquid or fluid$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 14:16
S523	1	S520 and (acrylic or urethane or silicon$5 or epox$3)	US-PGPUB; USPAT;	OR	ON	2017/02/22 16:16

			USOCR; EPO; JPO; DERWENT; IBM_TDB			
S524	1	S523 and (coat or coated or coating or encased or encasing or encapsule or encapsulated or encapsulation or encapsulating)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 16:17
S525	0	S524 and (brush$4 or spray$5 or dip$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 16:17
S526	1	S524 and (size or sized or sizing or mm or micron or thick or thickness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 16:18
S527	1	(US-20040121528-$).did.	US-PGPUB	OR	ON	2017/02/22 17:28
S528	0	S519 and (brush$4 or spray$5 or dip$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 17:29
S529	1	S519 and (size or sized or sizing or mm or micron or thick or thickness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 17:29
S530	6571	(((lamp or ("LED") or diode or hearing or power or electronics or electrical or electric or electrically or battery or batteries or solar or photovoltaic or photo-voltaic or microchip or processor or antenna or computer$4 or electroactive or electro-active or control or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4)) and (((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)) and (coat or coated or coating or encased or encasing or encapsule or encapsulated or encapsulation or encapsulating or conform$6) and (brush$4 or spray$5 or dip$5) and ((layer or coating or film) with (size or sized or sizing or mm or um or micron or thick or thickness))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 17:46

S531	6460	S530 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or hermetic or hermetically or short or short-circuit or atmospher$6 or rain or water or moisture or liquid or fluid$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 17:49
S532	6340	S531 and (coat or coated or coating)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 17:50
S533	282	S532 and ((coat or coated or coating) with (conform$6))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 17:51
S534	33	S533 and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 17:53
S535	1	(US-20110013136-$).did.	US-PGPUB	OR	ON	2017/02/22 21:23
S536	2	(US-20110013136-$).did. or (US-5898470-$).did.	US-PGPUB; USPAT	OR	ON	2017/02/22 21:29
S537	2	S536 and (brush$4 or spray$5 or dip$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/22 21:29
S538	1	(US-20040121528-$).did.	US-PGPUB	OR	ON	2017/02/22 21:59
S539	1	(US-4254451-$).did.	USPAT	OR	ON	2017/02/22 22:00
S540	3	S535 or S538 or S539	US-PGPUB; USPAT	OR	ON	2017/02/22 22:00
S541	2	"20040121528".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 20:19
S542	1	"20120262667".pn.	US-PGPUB	OR	ON	2017/03/06 20:27
S543	1	"20080273166".pn.	US-PGPUB	OR	ON	2017/03/06 20:27
S544	1	"20100228689".pn.	US-PGPUB	OR	ON	2017/03/06 20:28
S545	1	"20140028966".pn.	US-PGPUB	OR	ON	2017/03/06 20:28

S546	4	S542 or S543 or S544 or S545	US-PGPUB	OR	ON	2017/03/06 20:29
S547	4	S546 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or hermetic or hermetically or short or atmospher$6 or rain or water or moisture or liquid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 20:29
S548	3	S547 and (coat or coated or coating or encased or encasing or encapsule or encapsulated or encapsulation or encapsulating or conform$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 20:31
S549	3	S548 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control or controled or controlled or controller or controling or controlling or controler or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 20:34
S550	112	(US-20080273166-$ or US-20110139163-$ or US-20110102734-$ or US-20090147215-$ or US-20090059159-$ or US-20080143954-$ or US-20070030442-$ or US-20060023158-$ or US-20040217555-$ or US-20030025228-$ or US-20020037232-$ or US-20120162600-$ or US-20070146627-$ or US-20020140899-$ or US-20100076553-$ or US-20100265456-$ or US-20080068559-$ or US-20120220234-$ or US-20110051982-$ or US-20080144854-$ or US-20070248238-$ or US-20100296027-$ or US-20100177277-$ or US-20040050076-$ or US-20040050072-$ or US-20040059212-$).did. or (US-20060132382-$ or US-20130293448-$ or US-20140078462-$ or US-20090082835-$ or US-20050239502-$ or US-20080002141-$ or US-20090115962-$ or US-20130169924-$ or US-20130215374-$ or US-20130242262-$ or US-20100201938-$ or US-20030058406-$ or US-20030231293-$ or US-20040027501-$ or US-20040051846-$ or US-20080130272-$ or US-20120288654-$ or US-20120310339-$ or US-20130070198-$ or US-20140213917-$ or US-20030068505-$ or US-20040121528-$ or US-20080239452-$ or US-20120155064-$ or US-20010024719-$ or US-20040099356-$ or US-20120029367-$).did. or (US-	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2017/03/06 20:51

		20030095336-$ or US-20040160538-$ or US-20070279584-$ or US-20070046887-$ or US-20110187989-$ or US-20040084790-$ or US-20090306594-$ or US-20120262667-$ or US-20060095128-$ or US-20060126698-$ or US-20050140924-$ or US-20070144913-$ or US-20110013136-$).did. or (US-2930857-$ or US-4418990-$ or US-4991951-$ or US-6719425-$ or US-4338377-$ or US-6772448-$ or US-5835185-$ or US-5900720-$ or US-5455638-$ or US-5455637-$ or US-6074059-$ or US-7527374-$ or US-6231703-$ or US-5846649-$ or US-4243306-$ or US-4520238-$ or US-5606743-$ or US-6824265-$ or US-5164707-$ or US-5946071-$ or US-6517203-$ or US-5229885-$ or US-5066022-$ or US-6166849-$ or US-4254451-$ or US-6433913-$).did. or (US-5654786-$ or US-6431705-$ or US-7581833-$ or US-7874666-$ or US-8979295-$ or US-6986579-$ or US-7396126-$ or US-5898470-$).did. or (US-2930857-$).did. or (EP-2233964-$ or WO-2009081542-$).did. or (WO-2009098719-$).did. or (JP-2003149607-$).did. or (WO-2009081542-$ or US-20030174277-$ or US-4991951-$ or DE-3221690-$ or US-20140104566-$).did.				
S551	94	S550 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or hermetic or hermetically or short or atmospher$6 or rain or water or moisture or liquid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 20:51
S552	89	S551 and (coat or coated or coating or encased or encasing or encapsule or encapsulated or encapsulation or encapsulating or conform$6 or seal$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 20:52
S553	89	S552 and (coat or coated or coating or encased or encasing or encapsule or encapsulated or encapsulation or encapsulating or conform$6 or seal$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 20:52
S554	89	S553 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or hermetic or hermetically or short or atmospher$6 or rain or water or moisture or liquid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 20:52
S555	87	S554 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4	US-PGPUB; USPAT; USOCR;	OR	ON	2017/03/06 20:52

		or electroactive or electro-active or control or controled or controlled or controller or controling or controlling or controler or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4)	FPRS; EPO; JPO; DERWENT; IBM_TDB			
S556	71	S555 and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 20:53
S557	41	S556 and "351".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 20:53
S558	31	S557 and (acrylic or urethane or silicone or epoxy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 20:57
S559	17	S558 and (conform$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 20:58
S560	11	S559 and (coat or coated or coating)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 20:58
S561	6805	"351".clas. and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:06
S562	1168	S561 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or rain or water or moisture)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:06
S563	725	S562 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control or controled or controlled or	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2017/03/06 21:07

		controller or controling or controlling or controler or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4)	DERWENT; IBM_TDB			
S564	212	S563 and (conform$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:07
S565	132	S564 and (coat or coated or coating)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:07
S566	17	S565 and (conform$6 with (coat or coated or coating))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:08
S567	12	S566 and (acrylic or urethane or silicone or epoxy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:08
S568	11	S567 not S560	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:08
S569	132	S565 and (conform$6 and (coat or coated or coating))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:13
S570	73	S569 and (acrylic or urethane or silicone or epoxy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:14
S571	21	S570 and (conform$6 same (acrylic or urethane or silicone or epoxy))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:14
S572	12	S571 not S568	US-PGPUB; USPAT;	OR	ON	2017/03/06 21:14

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S573	11	S572 not S560	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:15
S574	1920	351/158.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:18
S575	1150	S574 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control or controled or controlled or controller or controling or controlling or controler or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:19
S576	55	S575 and (conform$6 and (coat or coated or coating))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:19
S577	32	S576 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or rain or water or moisture)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:19
S578	23	S577 and (acrylic or urethane or silicone or epoxy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:20
S579	16	S578 not (S560 or S568)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:20
S580	272	S575 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or rain or water or	US-PGPUB; USPAT; USOCR;	OR	ON	2017/03/06 21:27

		moisture)	FPRS; EPO; JPO; DERWENT; IBM_TDB			
S581	101	S580 and (acrylic or urethane or silicone or epoxy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:27
S582	78	S581 not (S560 or S568 or S579)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:27
S583	15	S582 and ((acrylic or urethane or silicone or epoxy) same (coat or coated or coating))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:28
S584	1050	"351".clas. and ((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses) same (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or rain or water or moisture))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:35
S585	169	S584 and ((acrylic or urethane or silicone or epoxy) same (coat or coated or coating))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:35
S586	132	S585 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control or controled or controlled or controller or controling or controlling or controler or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:36
S587	77	S586 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:36

S588	62	S587 not (S560 or S568 or S579 or S583)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/06 21:37
S589	1580	G02C11/10.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 05:57
S590	311	S589 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or rain or water or moisture)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 05:58
S591	166	S590 and (acrylic or urethane or silicone or epoxy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 05:58
S592	161	S591 and (coat or coated or coating or encased or encasing or encapsule or encapsulated or encapsulation or encapsulating or conform$6 or seal$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:00
S593	161	S592 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or hermetic or hermetically or short or atmospher$6 or rain or water or moisture or liquid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:00
S594	112	(US-20080273166-$ or US-20110139163-$ or US-20110102734-$ or US-20090147215-$ or US-20090059159-$ or US-20080143954-$ or US-20070030442-$ or US-20060023158-$ or US-20040217555-$ or US-20030025228-$ or US-20020037232-$ or US-20120162600-$ or US-20070146627-$ or US-20020140899-$ or US-20100076553-$ or US-20100265456-$ or US-20080068559-$ or US-20120220234-$ or US-20110051982-$ or US-20080144854-$ or US-20070248238-$ or US-20100296027-$ or US-20100177277-$ or US-20040050076-$ or US-20040050072-$ or US-20040059212-$).did. or (US-20060132382-$ or US-20130293448-$ or US-20140078462-$ or US-20090082835-$ or US-20050239502-$ or US-20080002141-$ or US-	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2017/03/07 06:02

		20090115962-$ or US-20130169924-$ or US-20130215374-$ or US-20130242262-$ or US-20100201938-$ or US-20030058406-$ or US-20030231293-$ or US-20040027501-$ or US-20040051846-$ or US-20080130272-$ or US-20120288654-$ or US-20120310339-$ or US-20130070198-$ or US-20140213917-$ or US-20030068505-$ or US-20040121528-$ or US-20080239452-$ or US-20120155064-$ or US-20010024719-$ or US-20040099356-$ or US-20120029367-$).did. or (US-20030095336-$ or US-20040160538-$ or US-20070279584-$ or US-20070046887-$ or US-20110187989-$ or US-20040084790-$ or US-20090306594-$ or US-20120262667-$ or US-20060095128-$ or US-20060126698-$ or US-20050140924-$ or US-20070144913-$ or US-20110013136-$).did. or (US-2930857-$ or US-4418990-$ or US-4991951-$ or US-6719425-$ or US-4338377-$ or US-6772448-$ or US-5835185-$ or US-5900720-$ or US-5455638-$ or US-5455637-$ or US-6074059-$ or US-7527374-$ or US-6231703-$ or US-5846649-$ or US-4243306-$ or US-4520238-$ or US-5606743-$ or US-6824265-$ or US-5164707-$ or US-5946071-$ or US-6517203-$ or US-5229885-$ or US-5066022-$ or US-6166849-$ or US-4254451-$ or US-6433913-$).did. or (US-5654786-$ or US-6431705-$ or US-7581833-$ or US-7874666-$ or US-8979295-$ or US-6986579-$ or US-7396126-$ or US-5898470-$).did. or (US-2930857-$).did. or (EP-2233964-$ or WO-2009081542-$).did. or (WO-2009098719-$).did. or (JP-2003149607-$).did. or (WO-2009081542-$ or US-20030174277-$ or US-4991951-$ or DE-3221690-$ or US-20140104566-$).did.				
S595	94	S594 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or hermetic or hermetically or short or atmospher$6 or rain or water or moisture or liquid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S596	89	S595 and (coat or coated or coating or encased or encasing or encapsule or encapsulated or encapsulation or encapsulating or conform$6 or seal$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S597	89	S596 and (coat or coated or coating or encased or encasing or encapsule or encapsulated or encapsulation or	US-PGPUB; USPAT; USOCR;	OR	ON	2017/03/07 06:02

		encapsulating or conform$6 or seal$5)	EPO; JPO; DERWENT; IBM_TDB			
S598	89	S597 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or hermetic or hermetically or short or atmospher$6 or rain or water or moisture or liquid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S599	87	S598 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control or controled or controlled or controller or controling or controlling or controler or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S600	71	S599 and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S601	41	S600 and "351".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S602	31	S601 and (acrylic or urethane or silicone or epoxy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S603	17	S602 and (conform$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S604	11	S603 and (coat or coated or coating)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S605	6805	"351".clas. and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2017/03/07 06:02

			IBM_TDB			
S606	1168	S605 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or rain or water or moisture)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S607	725	S606 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control or controled or controlled or controller or controling or controlling or controler or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S608	212	S607 and (conform$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S609	132	S608 and (coat or coated or coating)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S610	17	S609 and (conform$6 with (coat or coated or coating))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S611	12	S610 and (acrylic or urethane or silicone or epoxy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S612	11	S611 not S604	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S613	1920	351/158.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S614	1150	S613 and (electronics or electrical or battery or batteries or microchip or	US-PGPUB; USPAT;	OR	ON	2017/03/07 06:02

		processor or antenna or computer$4 or electroactive or electro-active or control or controled or controlled or controller or controling or controlling or controler or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S615	55	S614 and (conform$6 and (coat or coated or coating))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S616	32	S615 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or rain or water or moisture)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S617	23	S616 and (acrylic or urethane or silicone or epoxy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S618	16	S617 not (S604 or S612)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S619	272	S614 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or rain or water or moisture)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S620	101	S619 and (acrylic or urethane or silicone or epoxy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S621	78	S620 not (S604 or S612 or S618)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S622	15	S621 and ((acrylic or urethane or silicone or epoxy) same (coat or coated or coating))	US-PGPUB; USPAT; USOCR;	OR	ON	2017/03/07 06:02

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S623	1050	"351".clas. and ((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses) same (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or rain or water or moisture))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S624	169	S623 and ((acrylic or urethane or silicone or epoxy) same (coat or coated or coating))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S625	132	S624 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control or controled or controlled or controller or controling or controlling or controler or controller or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S626	77	S625 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S627	62	S626 not (S604 or S612 or S618 or S622)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S628	142	S593 not (S604 or S612 or S618 or S622 or S627)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:02
S629	1962	G02C11/10.cpc.	FPRS; EPO; JPO; DERWENT	OR	ON	2017/03/07 06:17
S630	43	S629 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or rain or water or moisture)	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2017/03/07 06:17

			EPO; JPO; DERWENT; IBM_TDB			
S631	41	S630 not (S604 or S612 or S618 or S622 or S627 or S628)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:17
S632	0	S631 and (acrylic or urethane or silicone or epoxy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:18
S633	16	S631 and (coat or coated or coating or encased or encasing or encapsule or encapsulated or encapsulation or encapsulating or conform$6 or seal$5)	FPRS; EPO; JPO; DERWENT	OR	ON	2017/03/07 06:19
S634	25	S631 not S633	FPRS; EPO; JPO; DERWENT	OR	ON	2017/03/07 06:21
S635	1	(WO-2007062601-$).did.	FPRS	OR	ON	2017/03/07 06:23
S636	13	"11261035"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:27
S637	2	"20060095128".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:28
S638	8	"12054299"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:33
S639	2	"2004160572".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:39
S640	2	"20040160572".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 06:40
S641	2	"20110013136".pn.	US-PGPUB; USPAT; USOCR;	OR	ON	2017/03/07 09:00

			EPO; JPO; DERWENT; IBM_TDB			
S642	0	S641 and (acrylic or urethane or silicone or epoxy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 09:04
S643	31255	G02C.cpcg.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 09:07
S644	51691	"351".clas. or S643	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 09:08
S645	6812	S644 and (acrylic or urethane or silicone or epoxy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 09:08
S646	3922	S645 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or rain or water or moisture)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 09:09
S647	1795	S646 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 09:09
S648	2	S647 and (coat or coated or coating or encased or encasing or encapsule or encapsulated or encapsulation or encapsulating or conform$6 or seal$5)	FPRS; EPO; JPO; DERWENT	OR	ON	2017/03/07 09:10
S649	963	S647 and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 09:11
S650	336	S649 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or moisture)	US-PGPUB; USPAT; USOCR;	OR	ON	2017/03/07 09:12

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S651	73	S650 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 09:12
S652	39	S651 not (S604 or S612 or S618 or S622 or S627 or S628 or S634)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 09:13
S653	1	(US-20050230596-$).did.	US-PGPUB	OR	ON	2017/03/07 09:29
S654	1	(US-20050230596-$).did.	US-PGPUB	OR	ON	2017/03/07 09:35
S655	1	S654 and (water or waterproof$4 or water-proof$4 or moisture or moistureproof$4 or moisture-proof$4 or sweat or sweating or sweaty or salt or salted or salty or hermetic or hermetically or seal or sealed or sealing or sealer or proof or proofing or proofed or rain or swim or swimming or swimmer or snow or snowing or weather or precipitation or condensation or liquid or wet or environment$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/03/07 09:35
S656	3	"4254451".pn. or "20050230596".pn. or "20110013136".pn.	US-PGPUB; USPAT	OR	ON	2017/03/07 10:34
S657	117	(US-20080273166-$ or US-20110139163-$ or US-20110102734-$ or US-20090147215-$ or US-20090059159-$ or US-20080143954-$ or US-20070030442-$ or US-20060023158-$ or US-20040217555-$ or US-20030025228-$ or US-20020037232-$ or US-20120162600-$ or US-20070146627-$ or US-20020140899-$ or US-20100076553-$ or US-20100265456-$ or US-20080068559-$ or US-20120220234-$ or US-20110051982-$ or US-20080144854-$ or US-20070248238-$ or US-20100296027-$ or US-20100177277-$ or US-20040050076-$ or US-20040050072-$ or US-20040059212-$).did. or (US-20060132382-$ or US-20130293448-$ or US-20140078462-$ or US-20090082835-$ or US-20050239502-$ or US-20080002141-$ or US-20090115962-$ or US-20130169924-$ or US-20130215374-$ or US-20130242262-$ or US-20100201938-$ or US-20030058406-$ or US-	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2017/12/19 12:31

		20030231293-$ or US-20040027501-$ or US-20040051846-$ or US-20080130272-$ or US-20120288654-$ or US-20120310339-$ or US-20130070198-$ or US-20140213917-$ or US-20030068505-$ or US-20040121528-$ or US-20080239452-$ or US-20120155064-$ or US-20010024719-$ or US-20040099356-$ or US-20120029367-$).did. or (US-20030095336-$ or US-20040160538-$ or US-20070279584-$ or US-20070046887-$ or US-20110187989-$ or US-20040084790-$ or US-20090306594-$ or US-20120262667-$ or US-20060095128-$ or US-20060126698-$ or US-20050140924-$ or US-20070144913-$ or US-20110013136-$ or US-20070033717-$ or US-20050099799-$ or US-20050230596-$).did. or (US-2930857-$ or US-4418990-$ or US-4991951-$ or US-6719425-$ or US-4338377-$ or US-6772448-$ or US-5835185-$ or US-5900720-$ or US-5455638-$ or US-5455637-$ or US-6074059-$ or US-7527374-$ or US-6231703-$ or US-5846649-$ or US-4243306-$ or US-4520238-$ or US-5606743-$ or US-6824265-$ or US-5164707-$ or US-5946071-$ or US-6517203-$ or US-5229885-$ or US-5066022-$ or US-6166849-$ or US-4254451-$ or US-6433913-$).did. or (US-5654786-$ or US-6431705-$ or US-7581833-$ or US-7874666-$ or US-8979295-$ or US-6986579-$ or US-7396126-$ or US-5898470-$).did. or (US-2930857-$).did. or (EP-2233964-$ or WO-2009081542-$ or WO-2007062601-$).did. or (WO-2009098719-$).did. or (JP-2003149607-$).did. or (WO-2009081542-$ or US-20030174277-$ or US-4991951-$ or DE-3221690-$ or US-20140104566-$ or WO-2013103985-$).did.				
S658	1	(US-6824265-$).did.	USPAT	OR	ON	2017/12/19 12:32
S659	2	"20130250233".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 12:45
S660	1	S659 and conform$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 12:46
S661	1	(US-4254451-$).did.	USPAT	OR	ON	2017/12/19 13:31

S662	1	(US-20050230596-$).did.	US-PGPUB	OR	ON	2017/12/19 14:57
S663	1	S662 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or rain or water or moisture)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 14:57
S664	11	"3866035".pn. or "4076976".pn. or "3737647".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:10
S665	3	"3866035".pn. or "4076976".pn. or "3737647".pn.	USPAT	OR	ON	2017/12/19 15:10
S666	0	S665 and flex$6	USPAT	OR	ON	2017/12/19 15:11
S667	18085	351/41-158.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S668	11098	351/159.$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S669	706	351/178.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S670	28292	S667 or S668 or S669	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S671	1686	G02C7/083.cpc. or G02C7/101.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S672	18085	351/41-158.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S673	11098	351/159.$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;	OR	ON	2017/12/19 15:22

			IBM_TDB			
S674	706	351/178.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S675	28292	S672 or S673 or S674	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S676	796	351/86,154.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S677	254	351/159.39.ccls. or 351/159.4.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S678	1188	351/90-102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S679	1686	G02C7/083.cpc. or G02C7/101.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S680	18477	351/41-158,178.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S681	495	G02C11/06.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S682	1924	G02C11/10.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S683	19997	S680 or S681 or S682	US-PGPUB; USPAT; USOCR;	OR	ON	2017/12/19 15:22

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S684	18085	351/41-158.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S685	11098	351/159.$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S686	706	351/178.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S687	28292	S684 or S685 or S686	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S688	1686	G02C7/083.cpc. or G02C7/101.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S689	1188	351/90-102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S690	1686	G02C7/083.cpc. or G02C7/101.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S691	1686	S690	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S692	18477	351/41-158,178.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S693	495	G02C11/06.cpc.	US-PGPUB; USPAT;	OR	ON	2017/12/19 15:22

			USOCR; EPO; JPO; DERWENT; IBM_TDB			
S694	1924	G02C11/10.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S695	19997	S692 or S693 or S694	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S696	30545	351/41-178.ccls. or S687 or S688 or S695 or S689 or S691	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S697	3552	G02C11/10.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S698	3130	G02C11/00.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S699	789	G02C11/04.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S700	1150	G02C11/06.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S701	2010	351/158.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S702	4787	S697 or S698 or S699 or S700 or S701	US-PGPUB; USPAT;	OR	ON	2017/12/19 15:22

			USOCR; EPO; JPO; DERWENT; IBM_TDB			
S703	2327	G02C11/10.cpc.	FPRS; EPO; JPO; DERWENT	OR	ON	2017/12/19 15:22
S704	32820	S670 or S671 or S675 or S676 or S677 or S678 or S679 or S683 or S696 or S702 or S703	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:22
S705	334	S704 and (flex$6 near3 circuit$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:32
S706	251	S705 and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:32
S707	209	S706 and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses).clm,ti,ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:33
S708	189	S707 and (water or waterproof$4 or water-proof$4 or moisture or moistureproof$4 or moisture-proof$4 or sweat or sweating or sweaty or salt or salted or salty or hermetic or hermetically or seal or sealed or sealing or sealer or proof or proofing or proofed or rain or swim or swimming or swimmer or snow or snowing or weather or precipitation or condensation or liquid or wet or environment$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 15:35
S709	2	"20130250233".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 19:35
S710	2	S709 and (waterproof$4 or water-proof$4 or moistureproof$4 or moisture-proof$4 or rain or water or moisture)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/19 19:35
S711	2	"20130250233".pn.	US-PGPUB;	OR	ON	2018/03/12

			USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB			10:35
S712	1	S711 and touch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/03/12 10:37
S713	117	(US-20080273166-$ or US-20110139163-$ or US-20110102734-$ or US-20090147215-$ or US-20090059159-$ or US-20080143954-$ or US-20070030442-$ or US-20060023158-$ or US-20040217555-$ or US-20030025228-$ or US-20020037232-$ or US-20120162600-$ or US-20070146627-$ or US-20020140899-$ or US-20100076553-$ or US-20100265456-$ or US-20080068559-$ or US-20120220234-$ or US-20110051982-$ or US-20080144854-$ or US-20070248238-$ or US-20100296027-$ or US-20100177277-$ or US-20040050076-$ or US-20040050072-$ or US-20040059212-$).did. or (US-20060132382-$ or US-20130293448-$ or US-20140078462-$ or US-20090082835-$ or US-20050239502-$ or US-20080002141-$ or US-20090115962-$ or US-20130169924-$ or US-20130215374-$ or US-20130242262-$ or US-20100201938-$ or US-20030058406-$ or US-20030231293-$ or US-20040027501-$ or US-20040051846-$ or US-20080130272-$ or US-20120288654-$ or US-20120310339-$ or US-20130070198-$ or US-20140213917-$ or US-20030068505-$ or US-20040121528-$ or US-20080239452-$ or US-20120155064-$ or US-20010024719-$ or US-20040099356-$ or US-20120029367-$).did. or (US-20030095336-$ or US-20040160538-$ or US-20070279584-$ or US-20070046887-$ or US-20110187989-$ or US-20040084790-$ or US-20090306594-$ or US-20120262667-$ or US-20060095128-$ or US-20060126698-$ or US-20050140924-$ or US-20070144913-$ or US-20110013136-$ or US-20070033717-$ or US-20050099799-$ or US-20050230596-$).did. or (US-2930857-$ or US-4418990-$ or US-4991951-$ or US-6719425-$ or US-4338377-$ or US-6772448-$ or US-5835185-$ or US-5900720-$ or US-5455638-$ or US-5455637-$ or US-6074059-$ or US-7527374-$ or US-6231703-$ or	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2018/08/08 06:59

		US-5846649-$ or US-4243306-$ or US-4520238-$ or US-5606743-$ or US-6824265-$ or US-5164707-$ or US-5946071-$ or US-6517203-$ or US-5229885-$ or US-5066022-$ or US-6166849-$ or US-4254451-$ or US-6433913-$).did. or (US-5654786-$ or US-6431705-$ or US-7581833-$ or US-7874666-$ or US-8979295-$ or US-6986579-$ or US-7396126-$ or US-5898470-$).did. or (US-2930857-$).did. or (EP-2233964-$ or WO-2009081542-$ or WO-2007062601-$).did. or (WO-2009098719-$).did. or (JP-2003149607-$).did. or (WO-2009081542-$ or US-20030174277-$ or US-4991951-$ or DE-3221690-$ or US-20140104566-$ or WO-2013103985-$).did.				
S714	44	S713 and capacit$6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:13
S715	1	(US-6824265-$).did.	USPAT	OR	ON	2018/08/08 07:23
S716	14	"12054299"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:43
S717	8	S716 and capacit$6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:44
S718	4	"200706260"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:50
S719	18276	351/41-158.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S720	11376	351/159.$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56

S721	714	351/178.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S722	28743	S719 or S720 or S721	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S723	1909	G02C7/083.cpc. or G02C7/101.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S724	18276	351/41-158.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S725	11376	351/159.$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S726	714	351/178.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S727	28743	S724 or S725 or S726	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S728	802	351/86,154.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S729	257	351/159.39.ccls. or 351/159.4.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S730	1196	351/90-102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;	OR	ON	2018/08/08 07:56

			IBM_TDB			
S731	1909	G02C7/083.cpc. or G02C7/101.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S732	18674	351/41-158,178.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S733	523	G02C11/06.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S734	2282	G02C11/10.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S735	20540	S732 or S733 or S734	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S736	18276	351/41-158.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S737	11376	351/159.$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S738	714	351/178.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S739	28743	S736 or S737 or S738	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S740	1909	G02C7/083.cpc. or G02C7/101.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO;	OR	ON	2018/08/08 07:56

			DERWENT; IBM_TDB			
S741	1196	351/90-102.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S742	1909	G02C7/083.cpc. or G02C7/101.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S743	1909	S742	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S744	18674	351/41-158,178.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S745	523	G02C11/06.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S746	2282	G02C11/10.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S747	20540	S744 or S745 or S746	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S748	31496	351/41-178.ccls. or S739 or S740 or S747 or S741 or S743	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S749	4256	G02C11/10.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S750	3255	G02C11/00.cpc.	US-PGPUB;	OR	ON	2018/08/08

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			07:56
S751	860	G02C11/04.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S752	1197	G02C11/06.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S753	2046	351/158.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S754	5249	S749 or S750 or S751 or S752 or S753	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S755	2806	G02C11/10.cpc.	FPRS; EPO; JPO; DERWENT	OR	ON	2018/08/08 07:56
S756	34189	S722 or S723 or S727 or S728 or S729 or S730 or S731 or S735 or S748 or S754 or S755	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S757	34189	S756	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 07:56
S758	2001	S757 and capacit$6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 08:07
S759	566	(S758 and capacit$6 with (switch$4 or sens$4))	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2018/08/08 08:19

			EPO; JPO; DERWENT; IBM_TDB			
S760	1	(US-6824265-$).did.	USPAT	OR	ON	2018/08/08 08:26
S761	87	S713 and (touch$5 or tactile or hand or manually or manual or push or pushed or pushing or pushbutton or push-button or thumb or thumbwheel or finger or depress$5 or press or pressed or pressing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 09:26
S762	48	S761 and ((touch$5 or tactile or hand or manually or manual or push or pushed or pushing or pushbutton or push-button or thumb or thumbwheel or finger or depress$5 or press or pressed or pressing) with switch$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 09:28
S763	55	S761 and ((touch$5 or tactile or hand or manually or manual or push or pushed or pushing or pushbutton or push-button or thumb or thumbwheel or finger or depress$5 or press or pressed or pressing) with (off or on or on/off or turn$3 or switch$5 or actuat$5))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 09:29
S764	54	S763 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 09:32
S765	1	(US-20080239452-$).did.	US-PGPUB	OR	ON	2018/08/08 09:48
S766	1937	S756 and ((coat or coated or coating or encased or encasing or encapsule or encapsulated or encapsulation or encapsulating or conform$6 or seal$5 or conformal or conform or conformed) same (acrylic or urethane or silicone or epoxy))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 11:02
S767	1002	S766 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 11:03
S768	342	S767 and ((touch$5 or tactile or hand or manually or manual or push or pushed or pushing or pushbutton or push-button or thumb or thumbwheel or finger or depress$5 or press or pressed or pressing) with (off or on or on/off or turn$3 or switch$5 or	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 11:03

		actuat$5))				
S769	258	S768 and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 11:04
S770	170	S769 and (eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses).ab,clm,ti.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 11:05
S771	1	(US-20050230596-$).did.	US-PGPUB	OR	ON	2018/08/08 12:09
S772	1	S771 and ((touch$5 or tactile or hand or manually or manual or push or pushed or pushing or pushbutton or push-button or thumb or thumbwheel or finger or depress$5 or press or pressed or pressing) with (off or on or on/off or turn$3 or switch$5 or actuat$5))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/08 12:09
S773	3	"20100061579".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/09 12:31
S774	0	S773 and (capacit$6 with (switch$4 or sens$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/09 12:33
S775	0	S773 and capacit$6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/09 12:33
S776	177	(US-7500747-$ | US-7517083-$ | US-7527375-$ | US-7533993-$ | US-7543934-$ | US-7581833-$ | US-7588332-$ | US-7604349-$ | US-7621634-$ | US-7654667-$ | US-7656509-$ | US-7677723-$ | US-7728949-$ | US-7731358-$ | US-7744215-$ | US-7760898-$ | US-7771046-$ | US-7777660-$ | US-7883206-$ | US-7883207-$ | US-7922321-$ | US-7926940-$ | US-7926941-$ | US-7971994-$ | US-7988286-$ | US-8047651-$ | US-8066373-$ | US-8075132-$ | US-8092016-$ | US-8109629-$ | US-	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/09 13:43

		8154804-$ | US-8197063-$ | US-8215770-$ | US-8308295-$ | US-8317321-$ | US-8319937-$ | US-8333470-$ | US-8337013-$ | US-8337014-$ | US-8408699-$ | US-8430507-$ | US-8434863-$ | US-8434864-$ | US-8465151-$ | US-8500271-$ | US-8523354-$ | US-8534832-$ | US-8573774-$ | US-8579435-$ | US-8641191-$ | US-8662665-$ | US-8678581-$ | US-8708483-$ | US-8770742-$ | US-8778022-$ | US-8783861-$ | US-8801174-$ | US-8827446-$ | US-8830408-$ | US-8854519-$ | US-8905541-$ | US-8915588-$ | US-8921445-$ | US-8928796-$ | US-8931896-$ | US-8944590-$ | US-8979259-$ | US-9022563-$ | US-9028062-$ | US-9033494-$ | US-9074040-$ | US-9081208-$ | US-9096026-$ | US-9122077-$ | US-9122083-$ | US-9124796-$ | US-9142329-$ | US-9146407-$ | US-9155614-$ | US-9199420-$ | US-9207467-$ | US-9229248-$ | US-9268153-$ | US-9323101-$ | US-9329309-$ | US-9411172-$ | US-9442305-$ | US-9470909-$ | US-9588396-$ | US-9625767-$ | US-9690117-$ | US-9712738-$ | US-9801709-$).DID.				
S777	340	(US-0002190-$ | US-0015785-$ | US-0019773-$ | US-0027613-$ | US-0030442-$ | US-0031181-$ | US-0036172-$ | US-0050639-$ | US-0066808-$ | US-0070198-$ | US-0075141-$ | US-0078274-$ | US-0091818-$ | US-0092340-$ | US-0092775-$ | US-0095128-$ | US-0099594-$ | US-0106694-$ | US-0108713-$ | US-0120901-$ | US-0127423-$ | US-0129953-$ | US-0132916-$ | US-0140167-$ | US-0159562-$ | US-0172729-$ | US-0176777-$ | US-0198370-$ | US-0202399-$ | US-0204333-$ | US-0205680-$ | US-0206844-$ | US-0208238-$ | US-0211207-$ | US-0212696-$ | US-0213027-$ | US-0215374-$ | US-0218684-$ | US-0223113-$ | US-0225823-$ | US-0235332-$ | US-0237817-$ | US-0238701-$ | US-0242253-$ | US-0242317-$ | US-0249230-$ | US-0250135-$ | US-0264966-$ | US-0273167-$ | US-0273169-$ | US-0282117-$ | US-0293197-$ | US-0293215-$ | US-0293825-$ | US-0296044-$ | US-0297283-$ | US-0300171-$ | US-0301338-$ | US-0301604-$ | US-0313473-$ | US-0327875-$ | US-0327950-$ | US-0329183-$ | US-0335420-$ | US-	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/09 13:44

		0336637-$ | US-0342807-$ | US-0347581-$ | US-0378177-$ | US-0378180-$ | US-20040223113-$ | US-20050078274-$ | US-20050099594-$ | US-20050206844-$ | US-20050213027-$ | US-20050225823-$ | US-20060066808-$ | US-20060092340-$ | US-20060095128-$ | US-20060238701-$ | US-20070030442-$ | US-20070159562-$ | US-20070211207-$ | US-20080106694-$ | US-20080129953-$ | US-20080218684-$ | US-20080273167-$ | US-20080273169-$ | US-20090015785-$ | US-20090091818-$ | US-20090120901-$ | US-20090264966-$ | US-20090296044-$ | US-20100002190-$ | US-20110249230-$ | US-20120019773-$ | US-20120092775-$ | US-20120127423-$ | US-20120140167-$ | US-20120212696-$ | US-20120300171-$ | US-20120301604-$ | US-20130050639-$ | US-20130070198-$ | US-20130208238-$ | US-20130215374-$ | US-20130235332-$ | US-20130242253-$ | US-20130250135-$ | US-20130282117-$ | US-20130293825-$ | US-20130329183-$ | US-20130342807-$ | US-20140036172-$ | US-20140132916-$ | US-20140198370-$ | US-20140204333-$ | US-20140237817-$ | US-20140293215-$ | US-20140313473-$ | US-20140327875-$ | US-20140327950-$ | US-20140347581-$ | US-20150027613-$ | US-20150301338-$ | US-20150335420-$ | US-20150378177-$ | US-20150378180-$ | US-20160202399-$ | US-20170031181-$ | US-20170075141-$ | US-20170108713-$ | US-20170172729-$ | US-20170176777-$ | US-20170205680-$ | US-20170242317-$ | US-20170293197-$ | US-20170297283-$ | US-20170336637-$ | US-4873029-$ | US-5147585-$ | US-5178800-$ | US-5219497-$ | US-5526067-$ | US-5774273-$ | US-5861934-$ | US-6136926-$ | US-6142941-$ | US-6433913-$ | US-6491391-$ | US-6517203-$ | US-6619799-$ | US-6733130-$ | US-6778246-$ | US-6857741-$ | US-6918570-$ | US-6927894-$ | US-7018040-$ | US-7023594-$ | US-7077519-$ | US-7188948-$ | US-7192136-$ | US-7195353-$ | US-7234809-$ | US-7255437-$ | US-7264354-$ | US-7290875-$ | US-7290876-$ | US-7374283-$ | US-7380936-$ | US-7396126-$ | US-				

		7401918-$ | US-7404636-$ | US-7438410-$ | US-7475984-$ | US-7475985-$ | US-7481531-$ | US-7500746-$).DID.				
S778	503	S776 or S777	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/09 13:44
S779	94	S778 and capacit$6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/09 13:44
S780	42	S779 and (capacit$6 with (switch$4 or sens$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/09 13:44
S781	49	S779 and (capacit$6 with (switch$4 or sens$4 or touch$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/09 13:45

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L42	15027	BLUM.in. or KOKONASKI.in. or LONGA.in. or GRAHAM.in. or HADDOCK.in. or WILLEY.in. or TABACCHI.in. or BOCK.in. or PINAZZA.in. or RICHMAN.in. or OZGUZ.in.	US-PGPUB	OR	ON	2018/12/27 17:29
L43	2013	mitsui.as.	US-PGPUB	OR	ON	2018/12/27 17:29
L44	17035	L42 or L43	US-PGPUB	OR	ON	2018/12/27 17:29
L45	6772	L44 and ((water near3 resistant) or waterproof$4 or water-proof$4 or moisture or moistureproof$4 or moisture-proof$4 or hermetic or hermetically or seal or sealed or sealing or sealer or proof or proofing or proofed or tight or tightly)	US-PGPUB	OR	ON	2018/12/27 17:29
L46	2239	L45 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control$5 or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4).clm.	US-PGPUB	OR	ON	2018/12/27 17:29
L47	182	L46 and ((eyeglasses or eye-glasses or (eye	US-	OR	ON	2018/12/27

		adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses))	PGPUB			17:29
L48	182	L47	US-PGPUB	OR	ON	2018/12/27 17:29
S316	11443	BLUM.in. or KOKONASKI.in. or LONGA.in. or GRAHAM.in. or HADDOCK.in. or WILLEY.in. or TABACCHI.in. or BOCK.in. or PINAZZA.in. or RICHMAN.in. or OZGUZ.in.	US-PGPUB	OR	ON	2015/06/24 19:05
S317	1612	mitsui.as.	US-PGPUB	OR	ON	2015/06/24 19:05
S318	13055	S316 or S317	US-PGPUB	OR	ON	2015/06/24 19:05
S319	4985	S318 and ((water near3 resistant) or waterproof$4 or water-proof$4 or moisture or moistureproof$4 or moisture-proof$4 or hermetic or hermetically or seal or sealed or sealing or sealer or proof or proofing or proofed or tight or tightly)	US-PGPUB	OR	ON	2015/06/24 19:06
S320	1626	S319 and (electronics or electrical or battery or batteries or microchip or processor or antenna or computer$4 or electroactive or electro-active or control$5 or microprocess$4 or circuit$4 or chip or "IC" or microelectronic$4 or micro-electronic$4 or microelectric$4 or micro-electric$4 or microcontrol$4 or micro-control$4).clm.	US-PGPUB	OR	ON	2015/06/24 19:06
S321	94	S320 and ((eyeglasses or eye-glasses or (eye adj2 glasses) or spectacles or eyewear or eye-wear or (eye adj2 wear) or sunglasses or sun-glasses))	US-PGPUB	OR	ON	2015/06/24 19:06
S392	2	"Term Removed"	US-PGPUB	OR	ON	2015/12/01 14:15

12/ 27/ 2018 5:30:38 PM
C:\ Users\ goneill\ Documents\ EAST\ Workspaces\ 13890809.wsp

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United States Patent and Trademark Office
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/890,809	05/09/2013	Ronald D. Blum	EVSO-027US17	9971

7590 01/08/2019

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

EXAMINER	
O'NEILL, GARY WILLIAM	
ART UNIT	**PAPER NUMBER**
2872	
NOTIFICATION DATE	**DELIVERY MODE**
01/08/2019	ELECTRONIC

NOTICE REQUIRING INVENTOR'S OATH OR DECLARATION

☐ An inventor's oath or declaration in compliance with 37 CFR 1.63 or substitute statement in compliance with 37 CFR 1.64 executed by or with respect to each inventor has not yet been submitted.

The inventor's oath or declaration or substitute statement dated 9/28/16 is defective. The inventor's oath or declaration does not comply with 37 CFR 1.63 or the substitute statement does not comply with 37 CFR 1.64 because it:

☐ does not include a statement that the person executing the oath or declaration or substitute statement believes the named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application for which the oath or declaration is being submitted.

☐ does not state that the application was made or was authorized to be made by the person executing the oath or declaration or substitute statement.

☐ does not acknowledge that any willful false statement made in such oath or declaration or substitute statement is punishable under section 1001 of title 18 by fine or imprisonment of not more than 5 years, or both.

☒ does not identify the person executing the oath or declaration or substitute statement by his or her legal name.

☐ does not identify the application to which the oath or declaration or substitute statement is directed.

☒ Other: Signed oath for Martin Bock is missing

The substitute statement dated _____ does not comply with 37 CFR 1.64 because it:

☐ does not identify the inventor with respect to whom the statement applies.

☐ does not identify the relationship to the non-signing inventor.

☐ does not identify the circumstances permitting execution of the statement.

☐ was signed by someone other than the applicant.

☐ Other: _____

An oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each inventor MUST be filed **no later than the date on which the issue fee is paid.** See 35 U.S.C. 115(f). Failure to timely comply will result in ABANDONMENT of this application. This period for reply is not extendable under 37 CFR 1.136(a).

Questions relating to this Notice should be directed to the Application Assistance Unit at 571-272-4200.

(571)-272-4200 or 1(888)-786-0101
Patent Publication Branch
Office of Data Management

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Application	Document	Mailroom Date	Attorney Docket No.
13890809	NOA	01/08/2019	EVSO-027US17
	OA.APPENDIX	01/08/2019	EVSO-027US17

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Jan 09, 2019 04:17:33 AM

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Application	Document	Mailroom Date	Attorney Docket No.
13890809	M327	01/08/2019	EVSO-027US17

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www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
13/890,809	05/09/2013	2872	1940	EVSO-027US17	13	1

CONFIRMATION NO. 9971

CORRECTED FILING RECEIPT

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



Date Mailed: 01/18/2019

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Inventor(s)

Ronald D. Blum, Roanoke, VA;
William Kokonaski, Gig Harbor, WA;
Claudio Dalla Longa, Roanoke, VA;
Mark Graham, Roanoke, VA;
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Martin Bock, Roanoke, VA;
Massimo Pinazza, Roanoke, VA;
Scott N. Richman, Roanoke, VA;
Volkan Ozguz, roanoke, VA;

Applicant(s)

E-Vision, LLC, Sarasota, FL;

Power of Attorney: The patent practitioners associated with Customer Number 149890

Domestic Priority data as claimed by applicant

This application is a CIP of 13/587,645 08/16/2012 ABN
which claims benefit of 61/563,937 11/28/2011
and claims benefit of 61/537,205 09/21/2011
and claims benefit of 61/524,567 08/17/2011
and is a CIP of 13/372,240 02/13/2012 PAT 8801174
This application 13/890,809
is a CIP of 13/726,267 12/24/2012 PAT 8708483
which is a CON of 12/834,526 07/12/2010 PAT 8337014
which is a CON of 12/054,299 03/24/2008 ABN

This application 13/890,809
is a CIP of 13/372,240 02/13/2012 PAT 8801174
which claims benefit of 61/441,817 02/11/2011
This application 13/890,809
is a CIP of 13/169,996 06/27/2011 ABN
which claims benefit of 61/382,963 09/15/2010
and claims benefit of 61/366,746 07/22/2010
and claims benefit of 61/358,447 06/25/2010
and is a CIP of PCT/US2011/029419 03/22/2011
This application 13/890,809
is a CIP of 12/834,526 07/12/2010 PAT 8337014
which is a CON of 12/054,299 03/24/2008 ABN
This application 13/890,809
is a CIP of 13/298,997 11/17/2011 PAT 8944590
which claims benefit of 61/481,353 05/02/2011
and claims benefit of 61/415,391 11/19/2010
This application 13/890,809
is a CIP of 13/298,992 11/17/2011 PAT 8905541
which is a CIP of 13/175,633 07/01/2011 PAT 8783861
and is a CIP of 13/175,634 07/01/2011 ABN
and is a CIP of 13/179,219 07/08/2011 PAT 8979259
This application 13/890,809
is a CIP of 13/866,575 04/19/2013 ABN
which claims benefit of 61/638,290 04/25/2012
and said 12/054,299 03/24/2008
claims benefit of 60/978,517 10/09/2007
and said 13/179,219 07/08/2011
claims benefit of 61/376,719 08/25/2010
and claims benefit of 61/481,353 05/02/2011
and said 12/054,299 03/24/2008
claims benefit of 60/929,991 07/20/2007
and claims benefit of 60/929,419 06/26/2007
and claims benefit of 60/924,225 05/04/2007
and said PCT/US2011/029419 03/22/2011
claims benefit of 61/326,703 04/22/2010
and claims benefit of 61/317,100 03/24/2010

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: No

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

If Required, Foreign Filing License Granted: 06/11/2013

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/890,809**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No

Title

MOISTURE-RESISTANT EYE WEAR

Preliminary Class

351

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

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

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

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Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

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Jan 18, 2019 04:15:41 AM

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Application	Document	Mailroom Date	Attorney Docket No.
13890809	APP.FILE.REC	01/18/2019	EVSO-027US17

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376 BOYLSTON ST
STE 401
BOSTON MA 02116

MAILED

MAR 20 2019

INTERNATIONAL PATENT LEGAL ADM.

In re Application of
E-VISION, LLC
Application No.: 13/890,809
Filing Date: 09 May 2013
Attorney Docket No.: EVSO-027US17

DECISION ON PETITION
UNDER 37 CFR 1.78(c)
AND 1.78(e)

This is a decision on the petition under 37 CFR 1.78(c) and (e), filed 19 December 2018, to accept an unintentionally delayed claim under 35 U.S.C. 119(e) and 120 for the benefit of priority to one or more prior-filed provisional and nonprovisional/international applications.

Under 37 CFR 1.78(c) and (e), a petition to accept an unintentionally delayed claim under 35 U.S.C. 119(e) and 120 for the benefit of a prior-filed application must be accompanied by:

(i) the reference required by 35 U.S.C. 119(e) and 120 and 37 CFR 1.78(a)(3) and 1.78(d)(2) to the prior-filed applications, unless previously submitted;

(ii) the petition fee set forth in 37 CFR 1.17(m); and

(iii) a statement that the entire delay between the date the claim was due under 37 CFR 1.78(a)(4) and (d)(3) and the date the claim was filed was unintentional. The Director may require additional information where there is a question whether the delay was unintentional.

With regard to item (i), intermediate application number PCT/US2011/029419 does not contain a proper reference to application number 13/050,974 as a continuation thereof. As set forth in MPEP 211.01(b), Section II., "Benefit Claims to Multiple Prior Applications", "Sometimes a pending application is one of a series of applications wherein the pending application is not copending with the first filed application but is copending with an intermediate application entitled to the benefit of the filing date of the first application. . . . Appropriate references must be made in each intermediate application in the chain of prior applications." Before the petition can be granted, intermediate application number PCT/US2011/029419 must be amended to include an appropriate reference to application number 13/050,974. Applicant is reminded that if

you are claiming benefit of more than one prior-filed application, you must start with the most recent application and go back chronologically to the earliest application. Otherwise, the benefit claims may not be recognized by the Office if not presented in this manner and will not auto-load into the Office's electronic systems. If there is more than one chain of applications for which benefit is being claimed, you must start each chain with the most recent application and go back chronologically to the earliest application in each chain. Otherwise, the benefit claims may not be recognized by the Office if not presented in this manner and will not auto-load into the Office's electronic systems. (See instructions for Application Data Sheet at www.uspto.gov). In addition, it is improper for two applications to claim priority of a single, prior application, as seen on pages 6 & 7 of the application data sheet. These claims cannot be entered into the Office's electronic systems when presented in this manner.

With regard to item (ii), the petition fee set forth in 37 CFR 1.17(m) has been submitted.

With regard to item (iii), the petition contains a proper statement of unintentional delay.

For the reasons above, the petition under 37 CFR 1.78(c) and (e) is **DISMISSED** without prejudice.

Any further correspondence with respect to this matter may be filed electronically via EFS-Web selecting the document description "Petition for review and processing by the PCT Legal Office" or by mail addressed to Mail Stop PCT, Commissioner for Patents, International Patent Legal Administration, P.O. Box 1450, Alexandria, Virginia 22313-1450, with the contents of the letter marked to the attention of the International Patent Legal Administration.

/BethAnne Dayoan/

BethAnne Dayoan
PCT Legal Examiner
International Patent Legal Administration
571-272-3209

To: docketing@smithbaluch.com,smith@smithbaluch.com,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
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Application	Document	Mailroom Date	Attorney Docket No.
13890809	PET.DEC.OIPE	03/20/2019	EVSO-027US17

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In Re Application of:	Ronald D. BLUM *et al.*	Confirmation No.	9971
Serial No.:	13/890,809	Group Art Unit:	2872
Filed:	May 9, 2013	Examiner:	Gary William O'NEILL

FOR: **ELECTRO-ACTIVE INTRAOCULAR LENSES**

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Commissioner for Patents
International Patent Legal Administration
P.O. Box 1450,
Alexandria, VA 22313-1450

RENEWED PETITION TO ACCEPT AN UNINTENTIONALLY DELAYED PRIORITY CLAIM UNDER 37 C.F.R. § 1.78 AND REQUEST FOR CORRECTED FILING RECEIPT

Applicant is filing this renewed petition in response to the Decision on Petition mailed March 20, 2019. The Decision on Petition dismissed Applicant's original petition to accept an unintentionally delayed priority claim because (1) PCT/US2011/029419, which is a continuation of US Application No. 13/050,974, does not include an appropriate reference to US Application No. 13/050,974; and (2) some of the priority claims in pages 6 and 7 of Applicant's previously filed Application Data Sheet (ADS) were not formatted in a way conducive to proper entry into the Office's electronic systems.

Applicant notes that the PCT request filed with PCT/US2011/029419 includes a proper priority claim to US Application No. 13/050,974 and that this priority claim appears in both PAIR and Patentscope. Unfortunately, there is a typographic error in the application number in the specification of PCT/US2011/029419. According to the PCT Helpdesk, this error cannot be corrected and should instead be addressed in any national-stage filings, which it was. Applicant is therefore removing the priority claim from PCT/US2011/029419 to US Application No.

13/050,974 and reserves the right to add it in the future if it becomes possible to correct the typographic error in the specification of PCT/US2011/029419.

Accordingly, Applicant respectfully petitions the Office to accept the following unintentionally delayed priority claim (bold italics show the changes from Applicant's original petition):

> The present application is a continuation-in-part of U.S. Application No. 13/587,645, filed on Aug. 16, 2012, which claims priority to and incorporates by the reference in the entirety each of the following provisional patent applications: U.S. Prov. Pat App. No. 61/524,567, filed Aug. 17, 2011; U.S. Prov. Pat. App. No. 61/537,205, filed Sep. 21, 2011; and U.S. Prov. Pat. App. No. 61/563,937, filed Nov. 28, 2011, and which is a continuation-in-part of U.S. Application No. 13/372,240, which in turn claims priority to U.S. Prov. Pat. App. No. 61/441,817, filed Feb. 11, 2011.
>
> The present application is a continuation-in-part of, and claims priority to and incorporates by the reference in the entirety each of the following patent applications: U.S. Application No. 13/726,267, filed Dec. 24, 2012, which is a continuation of U.S. Application No. 12/834,526, filed Jul. 12, 2010, which in turn is a continuation of U.S. Application No. 12/054,299, filed Mar. 24, 2008, which in turn claims priority to U.S. Prov. Pat. App. No. 60/978,517, filed Oct. 9, 2007; U.S. Prov. Pat. App. No. 60/929,991, filed Jul. 20, 2007; U.S. Prov. Pat. App. No. 60/929,419, filed Jun. 26, 2007; and U.S. Prov. Pat. App. No. 60/924,225, filed May 4, 2007.
>
> This application is a continuation-in-part of U.S. Application No. 13/372,240, filed on Feb. 13, 2012, which in turn claims priority to U.S. Prov. Pat. App. No. 61/441,817, filed Feb. 11, 2011.
>
> This application is a continuation-in-part of U.S. Application No. 13/169,996, filed Jun. 27, 2011, which claims priority to U.S. Prov. Pat. App. No. 61/382,963, filed Sep. 15, 2010; U.S. Prov. Pat. App. No. 61/366,746, filed Jul. 22, 2010; and U.S. Prov. Pat. App. No. 61/358,447, filed Jun. 25, 2010, and which is also a continuation-in-part of PCT/US2011/029419, filed Mar. 22, 2011, ***which in turn claims priority to U.S. Prov.***

Pat. App. No. 61/382,963, filed Sep. 15, 2010; U.S. Prov. Pat. App. No. 61/366,746, filed Jul. 22/2010; U.S. Application No. 61/326,703, filed Apr. 22, 2010; and U.S. Prov. Pat. App. No. 61/317,100, filed Mar. 24, 2010.

This application is a continuation-in-part of U.S. Application No. 12/834,526, filed Jul. 12, 2010, which in turn is a continuation of U.S. Application No. 12/054,299, filed Mar. 24, 2008, which in turn claims priority to U.S. Prov. Pat. App. No. 60/978,517, filed Oct. 09, 2007; U.S. Prov. Pat. App. No. 60/929,991, filed Jul. 20, 2007; U.S. Prov. Pat. App. No. 60/929,419, filed Jun. 26, 2007; and U.S. Prov. Pat. App. No. 60/924,225, filed May 04, 2007.

This application is a continuation-in-part of U.S. Application No. 13/298,997, filed Nov. 17, 2011, which is a continuation-in-part of U.S. Application No. 13/179,219, filed Jul. 08, 2011, which in turn claims priority to U.S. Prov. Pat. App. No. 61/481,353, filed May 02, 2011, and of U.S. Application No. 61/362,877, filed Jul. 09, 2010. U.S. Application No. 13/298,997 is also a continuation-in-part of U.S. Application No. 13/175,633, filed Jul. 01, 2011, and of U.S. Application No. 13/175,634, filed Jul. 01, 2011, each of which claims priority to U.S. Prov. Pat. App. No. 61/415,391, filed Nov. 19, 2010; U.S. Prov. Pat. App. No. 61/376,719, filed Aug. 25, 2010; and U.S. Prov. Pat. App. No. 61/361,110, filed Jul. 02, 2010.

This application is a continuation-in-part of U.S. Application No. 13/298,992, filed Nov. 17, 2011, which is a continuation-in-part of U.S. Application No. 13/179,219, filed Jul. 08, 2011, which in turn claims priority to U.S. Prov. Pat. App. No. 61/481,353, filed May 02, 2011, and of U.S. Prov. Pat. App. No. 61/362,877, filed Jul. 09, 2010. U.S. Application No. 13/298,992 is also a continuation-in-part of U.S. Application No. 13/175,633, filed Jul. 01, 2011, and of U.S. Application No. 13/175,634, filed Jul. 01, 2011, each of which claims priority to U.S. Prov. Pat. App. No. 61/415,391, filed Nov. 19, 2010; U.S. Application No. 61/376,719, filed Aug. 25, 2010; and U.S. Prov. Pat. App. No. 61/361,110, filed Jul. 02, 2010.

This application is a continuation-in-part of U.S. Application No. 13/866,575, filed Apr. 19, 2013, which claims priority to U.S. Prov. Pat. App. No. 61/638,290, filed Apr. 25, 2012.

In the priority claim above, the links from this application to the immediate parent applications are the same as those in the most recently filed ADS and in the most recently issued Filing Receipt, with the exception of the bold italicized section, which is being amended in response to the Decision on Petition mailed on May 20, 2019. As explained in Applicant's original petition, the links from the parent applications to the respective provisional applications are being corrected. The priority claims in the parent applications to the respective provisional applications are themselves correct.

In particular, the priority claims from PCT/US2011/029419 to U.S. Prov. Pat. App. No. 61/326,703, filed Apr. 22, 2010; U.S. Prov. Pat. App. No. 61/317,100, filed Mar. 24, 2010; U.S. Prov. Pat. App. No. 61/382,963, filed Sep. 15, 2010; and U.S. Prov. Pat. App. No. 61/366,746, filed Jul. 22/2010 are proper because they were made when PCT/US2011/029419 was filed and they appear in the PCT request and in the first paragraph of the specification of PCT/US2011/029419. They also appear in Patentscope and in PAIR.

Applicant submits that the entire delay between the date the benefit claim was due under 37 C.F.R. § 1.78 and the date of this Petition was unintentional.

Per 37 C.F.R. § 1.48(e), Application is supporting this renewed petition with: (1) a corrected (and properly formatted) Application Data Sheet (ADS) reflecting the appropriate corrections to the priority claim (marked with underline and strikethrough) and (2) the above statement that the entire delay between the date the priority claim was due under this section and the date the priority claim was filed was unintentional.

The petition fee as set forth in § 1.17(m) was submitted with Applicant's original petition. If any fee is due, please charge that fee to deposit account no. 60-1876 with reference to Attorney Docket No. EVSO-027US17.

This priority claim is also being added to the specification by way of the enclosed amendment. This amendment is with respect to an earlier amendment, filed on December 18, 2018 in support of Applicant's original petition, because the earlier amendment was apparently entered on January 8, 2019.

Applicant is also filing a request to correct the spelling of inventor Martin Boch's last name. This change is reflected on the enclosed ADS.

Applicant respectfully requests a Corrected Filing Receipt reflecting the unintentionally delayed priority claim copied above and the correction of the spelling of inventor Martin Boch's last name.

Dated: March 27, 2019

Respectfully submitted,
SMITH BALUCH LLP

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By: /Christopher Max Colice/
Christopher Max Colice
Reg. No. 65634

Doc Code: R48.REQ
Document Description: Request under Rule 48 correcting inventorship

PTO/AIA/40 (04-18)
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REQUEST FOR CORRECTION IN A PATENT APPLICATION RELATING TO INVENTORSHIP OR AN INVENTOR NAME, OR ORDER OF NAMES, OTHER THAN IN A REISSUE APPLICATION (37 CFR 1.48)

Application Number	13/890,809
Filing Date	5/9/2013
First Named Inventor	Blum
Art Unit	2872
Examiner Name	O'NEILL, GARY WILLIAM
Practitioner Docket Number	EVSO-027US17

To: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Applicant hereby **requests that the inventorship be corrected or changed, or that the name of the inventor or a joint inventor, or the order of the names of joint inventors, be changed,** in the above-identified application. **Note**: 37 CFR 1.48 applies to any request to correct inventorship filed on or after September 16, 2012, regardless of the application filing date. **Do not submit this form after payment of the issue fee or if the application has been patented.** See 37 CFR 1.324 for correction of inventorship in a patent.

Please check the applicable box(es) below.

For a nonprovisional application:

☐ 1. This request is to correct or change the inventorship in a **nonprovisional** application (**under 37 CFR 1.48(a)**) and includes:

☐ An application data sheet (ADS) in accordance with 37 CFR 1.76(c) with the corrected or updated information shown with markings (*e.g.*, underlining for insertions, strikethrough for deletions). See the Manual of Patent Examining Procedure (MPEP) section 601.05(a) for information about filing an ADS in an application filed on/after September 16, 2012. For information about filing a Supplemental ADS in an application filed before September 16, 2012, see MPEP 601.05(b).

☐ The processing fee set forth in 37 CFR 1.17(i). $ _____

☐ An inventor is being added. An inventor's oath or declaration by any actual inventor who has not yet executed an oath or declaration is required (see 37 CFR 1.48(b)). See MPEP 602.01(a) for information about an inventor's oath or declaration for an application filed on/after September 16, 2012 (*e.g.*, form **PTO/AIA/01**). For information about an inventor's oath or declaration for an application filed before September 16, 2012 (*e.g.*, form **PTO/SB/01**), see MPEP 602.01(b).

☐ This request is being filed after the first Office action on the merits has been given or mailed (see 37 CFR 1.48(c) and 1.17(d)). Check one of the following:

☐ This request to correct or change the inventorship is due solely to the cancellation of claims in the application.

OR

☐ The fee set forth in 37 CFR 1.17(d) is due (in addition to the fee set forth in 37 CFR 1.17(i)). $ _____

This collection of information is required by 37 CFR 1.48. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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REQUEST FOR CORRECTION IN A PATENT APPLICATION RELATING TO INVENTORSHIP OR AN INVENTOR NAME, OR ORDER OF NAMES, OTHER THAN IN A REISSUE APPLICATION (37 CFR 1.48)

☒ 2. This request is to correct or update the name of the inventor or a joint inventor, or the order of names of joint inventors, in a **nonprovisional** application (**under 37 CFR 1.48(f)**) and includes:

☒ An application data sheet in accordance with 37 CFR 1.76(c) identifying the complete inventive entity, including the corrected or updated name of the inventor, or the new order of names shown with markings (*e.g.*, underlining for insertions, strikethrough for deletions). See the MPEP 601.05(a) for information about filing an ADS in an application filed on/after September 16, 2012. For information about filing a Supplemental ADS in an application filed before September 16, 2012, see MPEP 601.05(b).

☒ The processing fee set forth in 37 CFR 1.17(i). $ 140.00

For a provisional application:

☐ This request is to change or correct the inventorship, or correct or update the name of the inventor or a joint inventor, in a **provisional** application (**under 37 CFR 1.48(d)**) and includes:

☐ **Attached hereto** is a document that is signed by a party set forth in 37 CFR 1.33(b) and identifies each inventor by his or her legal name, in the preferred order. Note: the document may be an application data sheet in accordance with 37 CFR 1.76(c) that identifies the changes with markings (underlining for insertions, strikethrough for deletions).

☐ The processing fee set forth in 37 CFR 1.17(q). $ _____

Fee Payment Information:

☐ Applicant asserts small entity status. See 37 CFR 1.27.

☐ Applicant certifies micro entity status. See 37 CFR 1.29.
Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously

☐ A check in the amount of the fee is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☐ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. _____.

☐ Payment made via EFS-Web.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

I am the

☐ Applicant*

☒ attorney or agent of record
Registration number 65634

☐ attorney or agent acting under 37 CFR 1.34
Registration number _____

Signature /Christopher Max Colice/

Typed or printed name Christopher Max Colice

Date 03/27/2019

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. *Juristic entities must be represented by a patent practitioner (See 37 CFR 1.31, applicable to any paper filed on or after September 16, 2012 that is presented on behalf of a juristic entity, regardless of application filing date). Submit multiple forms if more than one signature is required, see below**.

☒ ** Total of 1 forms are submitted.

Privacy Act Statement

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

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

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	~~EVSO-027/17US-329676-2202~~ EVSO-027US17
	Application Number	13/890,809
Title of Invention	MOISTURE-RESISTANT EYE WEAR	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2:

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
Mr.	Ronald	D.	BLUM	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

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Inventor 3 Remove

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	Claudio	Dalla	LONGA	

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	~~EVSO-027/17US-320676-2292~~ EVSO-027US17
	Application Number	13/890,809
Title of Invention	MOISTURE-RESISTANT EYE WEAR	

City	Roanoke	State/Province	VA	Country of Residence	US

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Inventor 4 Remove

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	Mark		GRAHAM	

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	Joshua		HADDOCK	

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	Charles		WILLEY	

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	~~EVSO-027/17US 320676-2202~~ EVSO-027US
	Application Number	13/890,809
Title of Invention	MOISTURE-RESISTANT EYE WEAR	

Mailing Address of Inventor:

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Inventor 7 Remove

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	Tiziano		TABACCHI	

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Prefix	Given Name	Middle Name	Family Name	Suffix
	Martin		BOCH	

Residence Information (Select One) (●) US Residency ( ) Non US Residency ( ) Active US Military Service

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Inventor 9 Remove

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	Massimo		PINAZZA	

Residence Information (Select One) (●) US Residency ( ) Non US Residency ( ) Active US Military Service

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

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	~~EVSO-027/17US-320676-2202~~ EVSO-027US17
	Application Number	13/890,809
Title of Invention	MOISTURE-RESISTANT EYE WEAR	

Mailing Address of Inventor:

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Postal Code	24019	**Country**	US

Inventor 10 Remove

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	Scott	N.	RICHMAN	

Residence Information (Select One) (•) US Residency ( ) Non US Residency ( ) Active US Military Service

City	Roanoke	State/Province	VA	Country of Residence	US

Mailing Address of Inventor:

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Address 2			
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Postal Code	24019	**Country**	US

Inventor 11 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Volkan		OZGUZ	

Residence Information (Select One) (•) US Residency ( ) Non US Residency ( ) Active US Military Service

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Mailing Address of Inventor:

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Address 2			
City	Roanoke	**State/Province**	VA
Postal Code	24019	**Country**	US

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

Correspondence Information:

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

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

Customer Number	~~68249~~ 149890		
Email Address		Add Email	Remove Email

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	~~EVSO-027/17US-320676-2202~~ EVSO-027US17
	Application Number	13/890,809

Title of Invention	MOISTURE-RESISTANT EYE WEAR

Application Information:

Title of the Invention	MOISTURE-RESISTANT EYE WEAR		
Attorney Docket Number	~~EVSO-027/17US-320676-2202~~ EVSO-027US17	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	26	Suggested Figure for Publication (if any)	

Filing By Reference:

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

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

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

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

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

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	~~58249~~ 149890		

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	EVSD-027US7
	Application Number	13/890,809
Title of Invention	MOISTURE RESISTANT EYE WEAR	

Domestic Benefit/National Stage Information:

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

Prior Application Status			
Application Number	**Continuity Type**	**Prior Application Number**	**Filing Date**
This Application	Continuation in Part of	13/587,645	August 16, 2012
13/587,645	Non-Provisional of	61/563,937	November 28, 2011
13/587,645	Non-Provisional of	61/537,205	September 21, 2011
13/587,645	Non-Provisional of	61/524,567	August 17, 2011
13/587,645	Continuation in Part of	13/372,240	February 13, 2012
This Application	Continuation in Part of	13/726,267	December 24, 2012
~~13/726,267~~ 12/054,299	Non-Provisional of	60/978,517	October 9, 2007
~~13/726,267~~ 12/054,299	Non-Provisional of	60/929,991	July 20, 2007
~~13/726,267~~ 12/054,299	Non-Provisional of	60/929,419	June 26, 2007
~~13/726,267~~ 12/054,299	Non-Provisional of	60/924,225	May 4, 2007
13/726,267	Continuation of	12/834,526	July 12, 2010
~~13/726,267~~ 12/834,526	Continuation of	12/054,299	March 24, 2008
This Application	Continuation in Part of	13/372,240	February 13, 2012
13/372,240	Non-Provisional of	61/441,817	February 11, 2011
This Application	Continuation in part of	13/169,996	June 27, 2011
13/169,996	Non-Provisional of	61/382,963	September 15, 2010
13/169,996	Non-Provisional of	61/366,746	July 22, 2010
13/169,996	Non-Provisional of	61/358,447	June 25, 2010
~~13/169,996~~ PCT/US11/29419	Non-Provisional of	61/326,703	April 22, 2010

PTO/AIA/14 (08-12)
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	~~EVSO-00/US07~~
	Application Number	13/890,809
Title of Invention	MOISTURE RESISTANT EYE WEAR	

~~13/169,996~~ ~~PCT/US11/29419~~	Non-Provisional of	61/317,100	March 24, 2010
13/169,996	Continuation in Part of	PCT/US2011/029419	March 22, 2011
This Application	Continuation in Part of	12/834,526	July 12, 2010
~~12/834,526~~ 12/054,299	Non-Provisional of	60/978,517	October 9, 2007
~~12/834,526~~ 12/054,299	Non-Provisional of	60/929,991	July 20, 2007
~~12/834,526~~ 12/054,299	Non-Provisional of	60/929,419	June 26, 2007
~~12/834,526~~ 12/054,299	Non-Provisional of	60/924,225	May 4, 2007
12/834,526	Continuation of	~~12,054,299~~ 12/054,299	March 24, 2008
This Application	Continuation in Part of	13/298,997	November 17, 2011
~~13/298,997~~ 13/179,219	Non-Provisional of	61/481,353	May 2, 2011
~~13/298,997~~ 13/175,633	Non-Provisional of	61/415,391	November 19, 2010
~~13/298,997~~ 13/175,633	Non-Provisional of	61/376,719	August 25, 2010
~~13/298,997~~ 13/179,219	Non-Provisional of	61/362,877	July 9, 2010
~~13/298,997~~ 13/175,633	Non-Provisional of	61/361,110	July 2, 2010
13/298,992	Continuation in Part of	13/179,219	July 8, 2011
13/298,992	Continuation in Part of	13/175,633	July 1, 2011
13/298,992	Continuation in Part of	13/175,634	July 1, 2011
This Application	Continuation in Part of	13/298,992	November 17, 2011
~~13/298,992~~	~~Non-Provisional of~~	~~61/481,353~~	~~May 2, 2011~~
~~13/298,992~~ 13/175,634	Non-Provisional of	61/415,391	November 19, 2010
~~13/298,992~~ 13/175,634	Non-Provisional of	61/376,719	August 25, 2010
~~13/298,992~~	~~Non-Provisional of~~	~~61/362,877~~	~~July 9, 2010~~
~~13/298,992~~ 13/175,634	Non-Provisional of	61/361,110	July 2, 2010
This Application	Continuation in Part of	13/866,575	April 19, 2013

PTO/AIA/14 (02-18)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	EVSO-027US17
	Application Number	13/690,809
Title of Invention	MOISTURE RESISTANT EYE WEAR	

Prior Application Status	Expired		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
PCT/US2011/29419	Claims benefit of provisional	61382963	2010-09-15
Prior Application Status	Expired		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
PCT/US2011/29419	Claims benefit of provisional	61366746	2010-07-22
Prior Application Status	Abandoned		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
13866575	Claims benefit of provisional	61638290	2012-04-25
Prior Application Status	Patented		Remove

Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
13298997	Continuation in part of	13179219	2011-07-08	8989259	2015-03-17

Prior Application Status	Patented		Remove

Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
13298997	Continuation in part of	13175633	2011-07-01	8783861	2014-07-22

Prior Application Status	Patented		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
13298997	Continuation in part of	13175634	2011-07-01

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	EVSO-027US17
	Application Number	13/890,809
Title of Invention	MOISTURE RESISTANT EYE WEAR	

13/866,575	Non-Provisional of	61/638,290	April 25, 2012

Foreign Priority Information:

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

Application Number	Country	Filing Date	Access Code (if applicable)

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

☒ This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to claimed invention that has an effective filing date on or after March 16, 2013.

Authorization to Permit Access:

[X] Authorization to Permit Access to the Instant Application by the Participating Offices

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the instant patent application is filed access to the instant patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the instant patent application is filed to have access to the instant patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the instant patent application with respect to: 1) the instant patent application-as-filed; 2) any foreign application to which the instant patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the instant patent application; and 3) any U.S. application-as-filed from which benefit is sought in the instant patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing this Authorization.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	~~EVSO-027/17US 320676-2282~~ EVSO-027US1
	Application Number	13/890,809
Title of Invention	MOISTURE-RESISTANT EYE WEAR	

Applicant Information:

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

Applicant 1

If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

Clear

(●) Assignee	( ) Legal Representative under 35 U.S.C. 117	( ) Joint Inventor
( ) Person to whom the inventor is obligated to assign.	( ) Person who shows sufficient proprietary interest	

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor:	
If the Applicant is an Organization check here.	☒
Organization Name	E-Vision, LLC

Mailing Address Information For Applicant:

Address 1	1144 Tallevast Road		
Address 2	Suites 113-115		
City	Sarasota	**State/Province**	FL
Country	~~FL~~ US	Postal Code	34243
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button.

Assignee Information including Non-Applicant Assignee Information:

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

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	~~EVSO-027/17US-320676-2202~~ EVSO-027US17
	Application Number	13/890,809

Title of Invention	MOISTURE-RESISTANT EYE WEAR

Assignee 1

Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.

If the Assignee or Non-Applicant Assignee is an Organization check here. ☐

Prefix	**Given Name**	Middle Name	**Family Name**	Suffix

Mailing Address Information For Assignee including Non-Applicant Assignee:

Address 1			
Address 2			
City		**State/Province**	
Country		Postal Code	
Phone Number		Fax Number	
Email Address			

Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.

Signature:

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

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

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

Signature	/Christopher Max Colice/			Date (YYYY-MM-DD)	2018-03-27
First Name	Christopher	Last Name	Colice	Registration Number	65,634

Additional Signature may be generated within this form by selecting the Add button.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	~~EVSO-027/17US-320676-2292~~ EVSO-027US17
	Application Number	13/890,809
Title of Invention	MOISTURE-RESISTANT EYE WEAR	

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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

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

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

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

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

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent CooperationTreaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

REMARKS

Applicant is amending the specification to reflect the priority claim being submitted in the attached Renewed Petition for Unintentionally Delayed Priority Claim and the attached Corrected Application Data Sheet. These amendments are with respect to the amendment filed on December 18, 2018, and should not affect the allowability of the claims.

Applicant believes that, upon entry of this amendment, the present application will remain in condition for allowance. Favorable reconsideration of the application as amended is respectfully requested.

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

Dated: March 27, 2019

Respectfully submitted,

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

Phone: (617) 947-7280

By _/Christopher Max Colice/_____
Christopher Max Colice
Registration No. 65634

IN THE CLAIMS:

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

1. (Previously Presented) An eyewear system comprising:

an eyewear frame;

an electronics assembly comprising electronic components configured to control an electrical functional member;

a capacitive touch switch coupled to at least one electronic component in the electronics assembly;

at least one electrical connective element electrically connected to the electronic assembly and the electrical functional member; and

a conformal layer over the electronic assembly to seal the electronic components;

wherein the conformal layer is moisture proof and seals electrical connections of the electronic component;

wherein the conformal layer is disposed in an enclosure of the eyewear frame;

wherein the eyewear frame comprises a temple; and

wherein the electronic assembly is enclosed in the temple.

2. (Canceled)

3. (Canceled)

4. (Previously Presented) The eyewear system of claim 1, wherein the electrical functional member comprises a lens.

5–9. (Canceled)

10. (Previously Presented) The eyewear system of claim 1, wherein the electrical functional member includes at least one of an electro-active lens, an electro-chromic lens, an electronic display, a sensor, an imager, a GPS, an alarm, a hearing aid, a virtual reality function, an augmented reality function, a gaming function, an audio output function, a microphone function, a recording function, a transmitter function, a pedometer, and an active 3D function.

11. (Previously Presented) The eyewear system of claim 1, wherein the at least one electrical connective element is a conductive compressible member or a multi-conductor cable.

12–19. (Canceled)

20. (Previously Presented) The eyewear system of claim 1, wherein the electronic assembly comprises a micro-processor.

21. (Previously Presented) The eyewear system of claim 1, wherein the enclosure comprises at least one of an outer casing of the electronic assembly or a cavity of the eyewear frame.

22. (Previously Presented) The eyewear system of claim 1, wherein the conformal layer comprises at least one of an encasing layer or an encapsulating layer.

23. (Previously Presented) The eyewear system of claim 1, wherein the conformal layer protects the electronic components from external environmental damage.

24. (Previously Presented) The eyewear system of claim 1, wherein the conformal layer is a conformal coating.

25. (Previously Presented) The eyewear system of claim 24, wherein a thickness of the conformal coating is less than 1 mm.

26. (Previously Presented) The eyewear system of claim 24, wherein the conformal coating comprises at least one of an acrylic, urethane, silicone, or epoxy.

27. (Previously Presented) The eyewear system of claim 26, wherein the conformal coating is brush applied, spray applied, or dip applied.

28. (Previously Presented) A method of manufacturing an eyewear system comprising:

disposing a plurality of electronic components on a capacitive touch switch;

connecting the plurality of electronic components via electrical connections to form an electronic assembly;

depositing a conformal layer over at least a portion of the electronic assembly and at least a portion of the capacitive touch switch; and

coupling the electronic assembly and the capacitive touch switch with the conformal layer to an enclosure of an eyewear frame.

29. (Previously Presented) Eyewear comprising:

an eyewear frame comprising a temple;

a plurality of electronic components disposed within a cavity formed in the temple, the plurality of electronic components comprising (i) at least one of a processor or a controller, (ii) a memory, (iii) a power source, (iv) an antenna, (v) at least one of a transmitter or a receiver, and (vi) at least one of an accelerometer or a gyroscope;

a conformal coating, deposited over at least a portion of the plurality of electronic components, to protect the plurality of electronic components; and

a capacitive touch switch operably coupled to an electronic component in the plurality of electronic components.

30. (Previously Presented) The eyewear of claim 29, wherein the conformal coating exposes an electrical contact of the electronics assembly.

31. (Previously Presented) The eyewear of claim 29, wherein the conformal coating has a thickness of less than 1 mm.

32. (Previously Presented) The eyewear of claim 29, wherein the conformal coating has a thickness of less than 0.5 mm.

33. (Canceled)

34. (Previously Presented) The eyewear of claim 29, wherein the electronic component is disposed on a surface of the capacitive touch switch.

35. (Previously Presented) The eyewear of claim 29, wherein the conformal coating protects a portion of the capacitive touch switch.

36. (Previously Presented) The eyewear of claim 29, wherein the capacitive touch switch is fit to the cavity in the temple.

37. (Previously Presented) The eyewear of claim 29, wherein the capacitive touch switch is electrically connected to an electronic component disposed on the eyewear frame.

IN THE SPECIFICATION:

Please replace paragraph no. [0002b] with the following paragraph. The amendments to paragraph no. [0002b] are indicated by strikethrough and double brackets.

[0002b] This application is a continuation-in-part of U.S. Application No. 13/169,996, filed Jun. 27, 2011, which claims priority to U.S. Prov. Pat. App. No. 61/382,963, filed Sep. 15, 2010; U.S. Prov. Pat. App. No. 61/366,746, filed Jul. 22, 2010; and U.S. Prov. Pat. App. No. 61/358,447, filed Jun. 25, 2010, and which is also a continuation-in-part of PCT/US2011/029419, filed Mar. 22, 2011, [[and]] which in turn claims priority to ~~U.S. Prov. Pat. App. No. 61/326,703, filed Apr. 22, 2010, and U.S. Prov. Pat. App. No. 61/317,100, filed Mar. 24, 2010 . PCT/US2011/029419 is also a continuation of U.S. Application No. 13/050,974, filed Mar. 18, 2011, which claims priority to~~ U.S. Prov. Pat. App. No. 61/382,963, filed Sep. 15, 2010; U.S. Prov. Pat. App. No. 61/366,746, filed Jul. 22/2010; U.S. Application No. 61/326,703, filed Apr. 22, 2010; and U.S. Prov. Pat. App. No. 61/317,100, filed Mar. 24, 2010.

Docket No. EVSO-027US17

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ronald D. Blum

Application No. 13/890,809

Filed: 2013-05-09

Confirmation No. 9971

Art Unit: 2872

Examiner: Gary William O'NEILL

Title: MOISTURE-RESISTANT EYE WEAR

AMENDMENT UNDER 37 C.F.R. 1.312

Applicant submits the following Amendments and/or Remarks, and respectfully requests reconsideration of the application in view thereof.

Amendments to the Specification begin on page 2 of this paper.

The Claims are listed beginning on page 3 of this paper.

Remarks begin on page 6 of this paper.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Inventor:	Ronald D. Blum	Confirmation No.:	9971
Application No.:	13/890,809	Group Art Unit:	2872
Filed:	2013-05-09	Examiner:	Gary William O'NEILL

For: MOISTURE-RESISTANT EYE WEAR

VIA EFS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Request to Correct Inventor Name Under 37 C.F.R. § 1.48(f)

Applicant hereby respectfully requests, pursuant to 37 C.F.R. § 1.48(f), that the inventorship of the above-identified provisional application be corrected to correct the spelling of Inventor Martin Boch's name. Mr. Boch's last name was misspelled "Bock" on the original Application Data Sheet (ADS). To Applicant's knowledge, this error was unintentional and occurred without deceptive intent.

Mr. Boch's name has been correctly spelled in all subsequent ADSs. Prior counsel even filed a Corrected ADS on September 28, 2016, with the correct spelling of Inventor Martin Boch's name along with an inventor declaration executed by Mr. Boch. However, prior counsel failed to include a proper request under 37 C.F.R. § 1.48(f) to correct Mr. Boch's name.

Accordingly, Applicant respectfully requests a Corrected Filing Receipt with the correct spelling of Mr. Boch's name. With this correction, the correct inventorship of this application is as follows:

Ronald D. Blum
William Kokonaski
Claudio Dalla Longa
Mark Graham

Joshua N. Haddock

Charles Willey

Tiziano Tabacchi

Martin Boch

Massimo Pinazza

Scott N. Richman

Volkan Ozguz

In accordance with 37 C.F.R. § 1.48(f), enclosed are (1) an Application Data Sheet (ADS) that identifies each inventor by legal name with Mr. Boch's last name underlined and (2) the fee under 37 C.F.R. §1.17(i). As noted above, a declaration signed by Mr. Boch with the correct spelling of his name was filed on September 28, 2016.

Applicant is also filing a Renewed Petition to Accept an Unintentionally Delayed Priority Claim Under 37 C.F.R. § 1.78 with this request to correct the spelling of Mr. Boch's last name. The enclosed ADS reflects the unintentionally delayed priority claim. Applicant respectfully requests that the Corrected Filing Receipt also reflect the unintentionally delayed priority claim.

Dated: March 27, 2019

Respectfully submitted,
SMITH BALUCH LLP

Smith Baluch LLP
ATTN: Patent Group
376 Boylston St., Suite 401
Boston, MA 02116

Tel: (617) 947-7280

By: /Christopher Max Colice/
Christopher Max Colice
Reg. No.65634

Electronic Patent Application Fee Transmittal

Application Number:	13890809
Filing Date:	09-May-2013
Title of Invention:	MOISTURE-RESISTANT EYE WEAR
First Named Inventor/Applicant Name:	Ronald D. Blum
Filer:	Christopher M. Colice/Lindsey Lovato
Attorney Docket Number:	EVSO-027US17

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
PROCESSING FEE, EXCEPT PROV. APPLS.	1830	1	140	140
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**140**

Electronic Acknowledgement Receipt	
EFS ID:	35545977
Application Number:	13890809
International Application Number:	
Confirmation Number:	9971
Title of Invention:	MOISTURE-RESISTANT EYE WEAR
First Named Inventor/Applicant Name:	Ronald D. Blum
Customer Number:	149890
Filer:	Christopher M. Colice/Lindsey Lovato
Filer Authorized By:	Christopher M. Colice
Attorney Docket Number:	EVSO-027US17
Receipt Date:	27-MAR-2019
Filing Date:	09-MAY-2013
Time Stamp:	15:55:07
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$140
RAM confirmation Number	032819INTEFSW15553800
Deposit Account	601876
Authorized User	Lindsey Lovato
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.16 (National application filing, search, and examination fees) 37 CFR 1.17 (Patent application and reexamination processing fees)	

37 CFR 1.19 (Document supply fees)

37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request under Rule 48 correcting inventorship	EVSO-027US17_RTCI_Form.pdf	252873 01c39b67dbe1ad4cd19e4024dbf17731782b7fdc	no	3
Warnings:					
Information:					
2	Application Data Sheet	EVSO-027US17_Corrected_ADS 3.pdf	6651359 52d12e0189a041acee9d2602e2d1dde4edb9bf3b	no	13
Warnings:					
Information:					
This is not an USPTO supplied ADS fillable form					
3		EVSO-027US17_Amendment_Priority_Claims.pdf	272875 187fe2623852ba26cffd16dac3872a55915a050e	yes	6

Multipart Description/PDF files in .zip description

Document Description	Start	End
Applicant Arguments/Remarks Made in an Amendment	6	6
Claims	3	5
Specification	2	2
Amendment after Notice of Allowance (Rule 312)	1	1

Warnings:					
Information:					
4	Petition for review by the PCT legal office	EVSO-027US17_Renewed_Petition_for_Unintentionally_Delayed_Priority_Claim.pdf	192775 4d9da528dc06430a9eff48c364319ec67c68c748	no	5
Warnings:					
Information:					

5	Request under Rule 48 correcting inventorship	EVSO-027US17_RTCI.pdf	154663 4b81dc1ef716a458c73bb755d498502e14dcd0e4	no	2
Warnings:					
Information:					
6	Fee Worksheet (SB06)	fee-info.pdf	30655 36f5f99dcd39e1dda3fc6fc6a820594bdefaf813	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	7555200		

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.

PRINTER RUSH
(PTO ASSISTANCE)

Application: 13890809	Examiner: O'NEILL	GAU: 2872
From: Cindy Hilliard	Location: RTFM	Creation Date: 03/28/2019

Week Date: 9/17/2018

DOC CODE	DOC DATE	MISCELLANEOUS
[ ] 1449		[ ] Continuing Data
[ ] IDS		[ ] Foreign Priority
[ ] CLM		[ ] Document Legibility
[ ] IIFW/FWCLM		[ ] Fees
[ ] SRFW		[ ] Petition (TC)
[ ] DRW		[ ] Other
[ ] OATH		
[X] 312	03/27/2019	
[ ] SPEC		

[RUSH] Message:

Please respond to the 03/27/19 A.NA .

THANK YOU,
CH

[XRUSH] Response:

Initials: _____

Examiner: PUBS contact - James Leija, (703) 756-1197
NOTE: This form will be included as part of the official USPTO record with the response document coded as XRUSH.
REV: AUG 16

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:	Ronald D. BLUM *et al.*	Confirmation No.	9971
Serial No.:	13/890,809	Group Art Unit:	2872
Filed:	May 9, 2013	Examiner:	Gary William O'NEILL

FOR: **ELECTRO-ACTIVE INTRAOCULAR LENSES**

Via EFS
Mail Stop PCT
Commissioner for Patents
International Patent Legal Administration
P.O. Box 1450, Alexandria, VA 22313-1450

WITHDRAWAL OF RENEWED PETITION TO ACCEPT AN UNINTENTIONALLY DELAYED PRIORITY CLAIM UNDER 37 C.F.R. § 1.78

Applicant respectfully withdraws its renewed petition filed on March 27, 2019. After Applicant filed the renewed petition, Applicant learned from Examiner BethAnne Dayoan of IPLA how to correct the priority claim from PCT/US2011/029419 to US Application No. 13/050,974. Accordingly, Applicant is securing signatures required to correct the priority claim from PCT/US2011/029419 to US Application No. 13/050,974 and plans to submit a revised renewed petition along with a petition to accept an unintentionally delay priority claim in PCT/US2011/029419 as soon as it has secured the required signatures.

Applicant maintains its request to correct the spelling of inventor Martin Boch's last name and respectfully requests a Corrected Filing Receipt reflecting the correct spelling of inventor Martin Boch's last name.

Dated: April 2, 2019

Respectfully submitted,
SMITH BALUCH LLP

SMITH BALUCH LLP
376 Boylston St, Suite 401
Boston MA 02116

Tel: (617) 947-7280

By: /Christopher Max Colice/
Christopher Max Colice
Reg. No. 65634

Electronic Acknowledgement Receipt	
EFS ID:	35602827
Application Number:	13890809
International Application Number:	
Confirmation Number:	9971
Title of Invention:	MOISTURE-RESISTANT EYE WEAR
First Named Inventor/Applicant Name:	Ronald D. Blum
Customer Number:	149890
Filer:	Christopher M. Colice/Lindsey Lovato
Filer Authorized By:	Christopher M. Colice
Attorney Docket Number:	EVSO-027US17
Receipt Date:	02-APR-2019
Filing Date:	09-MAY-2013
Time Stamp:	17:01:32
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Petition for review by the PCT legal office	EVSO-027US17_Withdrawal_of_Renewed_Petition.pdf	113518 46d2c2351513d682666bef0496c5f64e839347d8	no	1
Warnings:					

Information:	
Total Files Size (in bytes):	113518

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

New Applications Under 35 U.S.C. 111

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

National Stage of an International Application under 35 U.S.C. 371

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

New International Application Filed with the USPTO as a Receiving Office

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

PART B - FEE(S) TRANSMITTAL

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

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

By fax, send to: (571)-273-2885

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

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

149890 7590 01/08/2019
SMITH BALUCH LLP
376 BOYLSTON ST
STE 401
BOSTON, MA 02116

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

Certificate of Mailing or Transmission

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

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/890,809	05/09/2013	Ronald D. Blum	EVSO-027US17	9971

TITLE OF INVENTION: MOISTURE-RESISTANT EYE WEAR

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1000	$0.00	$0.00	$1000	04/08/2019

EXAMINER	ART UNIT	CLASS-SUBCLASS
O'NEILL, GARY WILLIAM	2872	351-158000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

❑ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

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

1 Smith Baluch LLP
2
3

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

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE: e-Vision, LLC

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

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

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

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

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

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

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

❑ Applicant certifying micro entity status. See 37 CFR 1.29

❑ Applicant asserting small entity status. See 37 CFR 1.27

❑ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

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

Authorized Signature /Christopher Max Colice/ Date April 8, 2019

Typed or printed name Christopher Max Colice Registration No. 65,634

PTOL-85 Part B (08-18) Approved for use through 01/31/2020 OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Electronic Patent Application Fee Transmittal

Application Number:	13890809
Filing Date:	09-May-2013
Title of Invention:	MOISTURE-RESISTANT EYE WEAR
First Named Inventor/Applicant Name:	Ronald D. Blum
Filer:	Christopher M. Colice/Lindsey Lovato
Attorney Docket Number:	EVSO-027US17

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
UTILITY APPL ISSUE FEE	1501	1	1000	1000

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**1000**

Electronic Acknowledgement Receipt	
EFS ID:	35651076
Application Number:	13890809
International Application Number:	
Confirmation Number:	9971
Title of Invention:	MOISTURE-RESISTANT EYE WEAR
First Named Inventor/Applicant Name:	Ronald D. Blum
Customer Number:	149890
Filer:	Christopher M. Colice/Lindsey Lovato
Filer Authorized By:	Christopher M. Colice
Attorney Docket Number:	EVSO-027US17
Receipt Date:	08-APR-2019
Filing Date:	09-MAY-2013
Time Stamp:	11:04:12
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$1000
RAM confirmation Number	040819INTEFSW11043900
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	EVSO-027US17_Issue_Fee_Transmittal.pdf	88163 65a6d7813e8b9b25065f3bf288a4fa4140f3a5cd	no	1
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30397 dae2e5726c68b2c4b2c12b5d06b48376387cb4e0	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	118560		

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

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/890,809	05/09/2013	Ronald D. Blum	EVSO-027US17

CONFIRMATION NO. 9971

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

IMPROPER CFR REQUEST

OC000000107238696

Date Mailed: 04/09/2019

RESPONSE TO REQUEST FOR CORRECTED FILING RECEIPT

Power of Attorney, Claims, Fees, System Limitations, and Miscellaneous

In response to your request for a corrected Filing Receipt, the Office is unable to comply with your request because:

- The ADS submitted on 03/27/19 was not properly marked up to show the desired changes. For information being changed relative to the information already of record, additions must be shown with underlining, and deletions must be shown with strike-through or brackets. See 37 CFR 1.76(c)(2).

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

/sstephanos/

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/890,809	05/09/2013	Ronald D. Blum	EVSO-027US17

CONFIRMATION NO. 9971

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

37 CFR 1.48(f)
ACKNOWLEDGEMENT LETTER

OC000000107238971

Date Mailed: 04/09/2019

IMPROPER SUBMISSION OF REQUEST UNDER 37 CFR 1.48(f)

The request under 37 CFR 1.48(f) (request to change inventorship) submitted on 03/27/2019 in the above-identified application is not accepted because:

- The request to correct or update the name of the inventor or a joint inventor, or the order of the names of joint inventors, under 37 CFR 1.48(f) is deficient because a corrected or updated application data sheet (ADS) in compliance with 37 CFR 1.76 (including markings showing the changes) has not been submitted. Any renewed request must include a corrected or updated ADS in compliance with 37 CFR 1.76 that identifies the information being changed, with underlining for insertions, and strike-through or brackets for text removed.

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

/sstephanos/

Doc Code: R48.REQ
Document Description: Request under Rule 48 correcting inventorship

PTO/AIA/40 (04-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REQUEST FOR CORRECTION IN A PATENT APPLICATION RELATING TO INVENTORSHIP OR AN INVENTOR NAME, OR ORDER OF NAMES, OTHER THAN IN A REISSUE APPLICATION (37 CFR 1.48)

Application Number	13/890,809
Filing Date	5/9/2013
First Named Inventor	Blum
Art Unit	2872
Examiner Name	O'NEILL, GARY WILLIAM
Practitioner Docket Number	EVSO-027US17

To: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Applicant hereby **requests that the inventorship be corrected or changed, or that the name of the inventor or a joint inventor, or the order of the names of joint inventors, be changed,** in the above-identified application. **Note**: 37 CFR 1.48 applies to any request to correct inventorship filed on or after September 16, 2012, regardless of the application filing date. **Do not submit this form after payment of the issue fee or if the application has been patented.** See 37 CFR 1.324 for correction of inventorship in a patent.

Please check the applicable box(es) below.

For a nonprovisional application:

☐ 1. This request is to correct or change the inventorship in a **nonprovisional** application (**under 37 CFR 1.48(a)**) and includes:

☐ An application data sheet (ADS) in accordance with 37 CFR 1.76(c) with the corrected or updated information shown with markings (*e.g.*, underlining for insertions, strikethrough for deletions). See the Manual of Patent Examining Procedure (MPEP) section 601.05(a) for information about filing an ADS in an application filed on/after September 16, 2012. For information about filing a Supplemental ADS in an application filed before September 16, 2012, see MPEP 601.05(b).

☐ The processing fee set forth in 37 CFR 1.17(i). $ _____

☐ An inventor is being added. An inventor's oath or declaration by any actual inventor who has not yet executed an oath or declaration is required (see 37 CFR 1.48(b)). See MPEP 602.01(a) for information about an inventor's oath or declaration for an application filed on/after September 16, 2012 (*e.g.*, form **PTO/AIA/01**). For information about an inventor's oath or declaration for an application filed before September 16, 2012 (*e.g.*, form **PTO/SB/01**), see MPEP 602.01(b).

☐ This request is being filed after the first Office action on the merits has been given or mailed (see 37 CFR 1.48(c) and 1.17(d)). Check one of the following:

☐ This request to correct or change the inventorship is due solely to the cancellation of claims in the application.

OR

☐ The fee set forth in 37 CFR 1.17(d) is due (in addition to the fee set forth in 37 CFR 1.17(i)). $ _____

This collection of information is required by 37 CFR 1.48. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/AIA/40 (04-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REQUEST FOR CORRECTION IN A PATENT APPLICATION RELATING TO INVENTORSHIP OR AN INVENTOR NAME, OR ORDER OF NAMES, OTHER THAN IN A REISSUE APPLICATION (37 CFR 1.48)

☒ 2. This request is to correct or update the name of the inventor or a joint inventor, or the order of names of joint inventors, in a **nonprovisional** application (**under 37 CFR 1.48(f)**) and includes:

☒ An application data sheet in accordance with 37 CFR 1.76(c) identifying the complete inventive entity, including the corrected or updated name of the inventor, or the new order of names shown with markings (*e.g.*, underlining for insertions, strikethrough for deletions). See the MPEP 601.05(a) for information about filing an ADS in an application filed on/after September 16, 2012. For information about filing a Supplemental ADS in an application filed before September 16, 2012, see MPEP 601.05(b).

☒ The processing fee set forth in 37 CFR 1.17(i). $ 140.00

For a provisional application:

☐ This request is to change or correct the inventorship, or correct or update the name of the inventor or a joint inventor, in a **provisional** application (**under 37 CFR 1.48(d)**) and includes:

☐ **Attached hereto** is a document that is signed by a party set forth in 37 CFR 1.33(b) and identifies each inventor by his or her legal name, in the preferred order. Note: the document may be an application data sheet in accordance with 37 CFR 1.76(c) that identifies the changes with markings (underlining for insertions, strikethrough for deletions).

☐ The processing fee set forth in 37 CFR 1.17(q). $ _____

Fee Payment Information:

☐ Applicant asserts small entity status. See 37 CFR 1.27.

☐ Applicant certifies micro entity status. See 37 CFR 1.29.
Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously

☐ A check in the amount of the fee is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☐ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. _____.

☒ Payment made via EFS-Web.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

I am the

☐ Applicant*

☒ attorney or agent of record
Registration number 65634

☐ attorney or agent acting under 37 CFR 1.34
Registration number _____

Signature /Christopher Max Colice/

Typed or printed name Christopher Max Colice

Date 04/09/2019

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. *Juristic entities must be represented by a patent practitioner (See 37 CFR 1.31, applicable to any paper filed on or after September 16, 2012 that is presented on behalf of a juristic entity, regardless of application filing date). Submit multiple forms if more than one signature is required, see below**.

☒ ** Total of 1 forms are submitted.

Privacy Act Statement

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

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

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Inventor:	Ronald D. Blum	Confirmation No.:	9971
Application No.:	13/890,809	Group Art Unit:	2872
Filed:	2013-05-09	Examiner:	Gary William O'NEILL

For: MOISTURE-RESISTANT EYE WEAR

VIA EFS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Supplemental Request to Correct Inventor Name Under 37 C.F.R. § 1.48(f)

In response to the Response to Request for Corrected Inventorship dated April 9, 2019, Applicant hereby respectfully submits a supplemental request, pursuant to 37 C.F.R. § 1.48(f), that the inventorship of the above-identified application be corrected to correct the spelling of Inventor Martin Boch's name.

The correct inventorship of this application is as follows:

Ronald D. Blum
William Kokonaski
Claudio Dalla Longa
Mark Graham
Joshua N. Haddock
Charles Willey
Tiziano Tabacchi
Martin Boch
Massimo Pinazza
Scott N. Richman

Mr. Boch's last name was misspelled "Bock" on the original Application Data Sheet (ADS). To Applicant's knowledge, this error was unintentional and occurred without deceptive intent.

Prior counsel attempted to correct this mistake by filing a Corrected ADS on September 28, 2016, with the correct spelling of Inventor Martin Boch's name along with an inventor declaration executed by Mr. Boch. However, prior counsel failed to include a proper request under 37 C.F.R. § 1.48(f) to correct Mr. Boch's name and failed to pay the processing fee.

Applicant filed a Request to Correct Inventorship on March 27, 2019, with a request form, the processing fee, corrected ADS with Mr. Boch's name underlined, and transmittal letter indicating that a corrected ADS and Mr. Boch's declaration were filed on September 28, 2016. This request was denied in the Response to Request for Corrected Inventorship dated April 9, 2019.

Upon advice from Nicol David of the Ombudsman's Office (Ombudsman Issue No. 39323), Applicant is submitting this supplemental request to fix the spelling error in Mr. Boch's name with the following in accordance with 37 C.F.R. § 1.48(f):

1. A Rule 48 request form correcting the spelling of Mr. Boch's last name;
2. A Corrected Application Data Sheet (ADS) that identifies each inventor by legal name and indicates the correction of Mr. Boch's last name (i.e., with "~~Bock~~ Boch" in the box for Mr. Boch's last name);
3. Another copy of Mr. Boch's Declaration; and
4. The fee under 37 C.F.R. §1.17(i).

Finally, Applicant notes that the issue fee for this application was due (and paid) on April 8, 2019. This is after Mr. Boch's declaration and Applicant's previous request for corrected inventorship were filed and before the response to Applicant's previous request for corrected inventorship was mailed by the Office. Applicant respectfully submits that this application should pass to issue because a proper oath for Mr. Boch and a bona fide request to correct the

spelling of Mr. Boch's last name were filed before the issue fee was paid. Applicant also respectfully requests a Corrected Filing Receipt with the correct spelling of Mr. Boch's name.

Applicant invites the Office to call the undersigned if there are any questions about this request or the file history.

Dated: April 9, 2019

Respectfully submitted,
SMITH BALUCH LLP

Smith Baluch LLP
ATTN: Patent Group
376 Boylston St., Suite 401
Boston, MA 02116

Tel: (617) 947-7280

By: /Christopher Max Colice/
Christopher Max Colice
Reg. No.65634

Electronic Patent Application Fee Transmittal

Application Number:	13890809
Filing Date:	09-May-2013
Title of Invention:	MOISTURE-RESISTANT EYE WEAR
First Named Inventor/Applicant Name:	Ronald D. Blum
Filer:	Christopher M. Colice
Attorney Docket Number:	EVSO-027US17

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
PROCESSING FEE, EXCEPT PROV. APPLS.	1830	1	140	140
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**140**

Electronic Acknowledgement Receipt	
EFS ID:	35673182
Application Number:	13890809
International Application Number:	
Confirmation Number:	9971
Title of Invention:	MOISTURE-RESISTANT EYE WEAR
First Named Inventor/Applicant Name:	Ronald D. Blum
Customer Number:	149890
Filer:	Christopher M. Colice/Lindsey Lovato
Filer Authorized By:	Christopher M. Colice
Attorney Docket Number:	EVSO-027US17
Receipt Date:	09-APR-2019
Filing Date:	09-MAY-2013
Time Stamp:	16:14:48
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$140
RAM confirmation Number	041019INTEFSW16191900
Deposit Account	601876
Authorized User	Lindsey Lovato
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.16 (National application filing, search, and examination fees) 37 CFR 1.17 (Patent application and reexamination processing fees)	

37 CFR 1.19 (Document supply fees)

37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	EVSO-027US17_Corrected_ADS_BOCH.pdf	206515 41c99b54b883093851341505e47498bc688c34d4	no	7
Warnings:					
Information:					
This is not an USPTO supplied ADS fillable form					
2	Oath or Declaration filed	EVSO-027US17_Declaration_BOCH.pdf	92392 ca13d374abdbefcddbc604f3af8ca2a1f5fdb0b3	no	1
Warnings:					
Information:					
3	Request under Rule 48 correcting inventorship	EVSO027US17-RTCI_FORM.pdf	1194382 d9b778b270518d4bf36228ff35cd26a6fb0a1619	no	3
Warnings:					
Information:					
4	Request under Rule 48 correcting inventorship	EVSO027US17-SupplementalRequesttoCorrectInventorship.pdf	167313 1decc3798ff091b5868bd89cbacf257edadeee40	no	3
Warnings:					
Information:					
5	Fee Worksheet (SB06)	fee-info.pdf	30568 341a6600544938d30881d3e002ae2df38f453154	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	1691170		

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

New Applications Under 35 U.S.C. 111

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

National Stage of an International Application under 35 U.S.C. 371

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

New International Application Filed with the USPTO as a Receiving Office

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