Claims

1. Intraocular pressure measuring and/or monitoring system, comprising:

- an intraocular pressure measuring device (1) comprising a support (3) and a pressure sensor (2) united with said support (3), said support (3) being configured for placing said pressure sensor (2) in contact with an eye (8) of a user for sensing the intraocular pressure (IOP) of said eye (8),

- a portable recording device (6) configured for communicating with said intraocular pressure measuring device (1) and for storing data received from said intraocular pressure measuring device (1);

characterized in that said system further comprises an inertial and/or environmental sensor (9).

2. Intraocular pressure measuring and/or monitoring system according to the preceding claim, wherein said support is a contact lens (3).

3. Intraocular pressure measuring and/or monitoring system according to claim 1, wherein said support is configured to be implanted in said eye (8).

4. Intraocular pressure measuring and/or monitoring system according to any one of the preceding claims, wherein said inertial and/or environmental sensor (9) is located in said intraocular pressure measuring device (1).

5. Intraocular pressure measuring and/or monitoring system according to any one of claims 1 to 3, wherein said inertial and/or environmental sensor (9) is located in said portable recording device (6).

6. Intraocular pressure measuring and/or monitoring system according to any one of claims 1 to 3, wherein said portable recording

device (6) comprises an antenna (60) for wirelessly communicating with said intraocular pressure measuring device (1).

7. Intraocular pressure measuring and/or monitoring system according to the preceding claim, wherein said antenna (60) is located in a patch (600) adapted to surround the eye (8) of a user when said intraocular pressure measuring and/or monitoring system is worn by said user.

8. Intraocular pressure measuring and/or monitoring system according to the preceding claim, wherein said inertial and/or environmental sensor (9) is located in said patch (600).

9. Intraocular pressure measuring and/or monitoring system according to any one of claims 6 or 7, wherein said inertial and/or environmental sensor (9) is located in a communication module (61) forming an interface to said antenna (60), said communication module (61) being adapted to be placed on a user's head when said intraocular pressure measuring and/or monitoring system is worn by said user.

10. Intraocular pressure measuring and/or monitoring system according to any one of the preceding claims, wherein said portable recording device (6) is configured for communicating with said inertial and/or environmental sensor (9) and for storing data received from said inertial and/or environmental sensor (9).

11. Intraocular pressure measuring and/or monitoring system according to any one of the preceding claims, comprising at least two inertial and/or environmental sensors.

12. Intraocular pressure measuring and/or monitoring system according to the preceding claim, wherein said at least two inertial and/or environmental sensors comprise a first and a second inertial sensor, said first inertial sensor being located in a housing of said portable recording device (6) adapted to be worn against the chest of a user, and said second

inertial sensor being located in a communication module (61) adapted to be placed on a user's head when said intraocular pressure measuring and/or monitoring system is worn by said user.

13. Intraocular pressure measuring device (1) comprising a support (3) and a pressure sensor (2) united with said support (3), said support (3) being configured for placing said pressure sensor (2) in contact with an eye (8) of a user for sensing the intraocular pressure (IOP) of said eye (8),

characterized in that said device further comprises an inertial and/or environmental sensor (9).

14. Intraocular pressure measuring device (1) according to the preceding claim, wherein said support is a contact lens (3).

15. Intraocular pressure measuring device (1) according to claim 13, wherein said support is configured to be implanted in said eye (8).

Claims

1. Intraocular pressure measuring and/or monitoring system, comprising:

- an intraocular pressure measuring device (1) to be placed on or in the eye (8) of a user for measuring the intraocular pressure of said eye (8), comprising a support (3) and a pressure sensor (2) united with said support (3), said support (3) being configured for placing said pressure sensor (2) in contact with an eye (8) of a user for sensing the intraocular pressure (IOP) of said eye (8),

- a portable recording device (6) configured for communicating with said intraocular pressure measuring device (1) and for storing data received from said intraocular pressure measuring device (1), wherein said portable recording device (6) comprises an antenna (60) for wirelessly communicating with said intraocular pressure measuring device (1);

characterized in that said system further comprises an inertial sensor (9) and said portable recording device (6) is configured for communicating with the inertial sensor (9), and for storing data received from said inertial sensor (9);

wherein said inertial sensor (9) is located in a communication module (61) forming an interface to said antenna (60) and adapted to be placed on a user's head when said intraocular pressure measuring and/or monitoring system is worn by said user; or in a patch (600) comprising said antenna (60) and being adapted to
surround the eye (8) of a user when said intraocular pressure measuring and/or monitoring system is worn by said user.

2. Intraocular pressure measuring and/or monitoring system according to the preceding claim, wherein said support is a contact lens (3).

3. Intraocular pressure measuring and/or monitoring system according to claim 1, wherein said support is configured to be implanted in said eye (8).

4. Intraocular pressure measuring and/or monitoring system according to any one of the preceding claims, further comprising an environmental sensor.

5. Intraocular pressure measuring and/or monitoring system according to any one of the preceding claims, wherein said antenna (60) is located in a patch (600) adapted to surround the eye (8) of a user when said intraocular pressure measuring and/or monitoring system is worn by said user.

6. Intraocular pressure measuring and/or monitoring system according to any one of the preceding claims, wherein said portable recording device (6) is configured for communicating with said inertial sensor (9) and for storing data received from said inertial sensor (9).

7. Intraocular pressure measuring and/or monitoring system according to any one of the preceding claims, comprising at least two inertial sensors.

8. Intraocular pressure measuring and/or monitoring system according to the preceding claim, wherein said at least two inertial sensors comprise a first and a second inertial sensor, said first inertial sensor being located in a housing of said portable recording device (6) adapted to be worn against the chest of a user, and said second inertial sensor being located in a communication module (61) adapted to be placed on a user's head when said intraocular pressure measuring and/or monitoring system is worn by said user.