

CLAIMS:

1. An apparatus for engaging and providing vision correction support comprising:
 - a computer processor in digital communication with a digital media storage device, wherein the digital media storage device stores software code; and
 - a transmitter in logical communication with the processor and also in logical communication with a communication network, wherein the software is executable upon demand and operative with the processor to:
 - receive patient's data;
 - receive data descriptive of a characteristic of a patient's eye;
 - communicate via the communication network with a remotely located eye care practitioner;
 - determine whether vision correction is needed;
 - generate vision correction options;
 - generate and display one or more software generated vision simulations;
 - generate and display one or more software generated simulations of the patient wearing the generated vision correction options.
2. The apparatus of Claim 1, wherein the software is additionally operative with the processor to generate an updatable personalized vision care ID card for the patient and wherein the digital media storage device and personalized vision care ID card can store digital data descriptive of vision diagnostic information related to the patient.

3. The apparatus of Claim 1, wherein the software is additionally operative with the processor to transmit the data descriptive of a characteristic of a patient's eye data and the patient's data to a manufacturing apparatus via the communications network.
4. The apparatus of Claim 1, wherein the software is additionally operative with the processor to generate and display video simulation data through an user interface.
5. The apparatus of Claim 4, wherein the simulation displayed comprises a patient's vision without a vision correction option compared to the patient's vision with the vision correction option.
6. The apparatus of Claim 1, wherein the software is additionally operative with the processor to generate a recommendation of the patient's use of one or more products or treatments based on the received measurement(s) and patient's responses.
7. The apparatus of Claim 2, wherein the vision care ID card can be implemented by an entity related to the distribution and control of ophthalmic products.
8. The apparatus of Claim 1, wherein the one or more vision measuring tools are used for a refraction examination or a wavefront examination or an eye physiology examination or an eye topographical examination.
9. The apparatus of Claim 2, wherein some or all of the information

stored on the ID card is distributed to eye care practitioners, merchants or manufacturers of vision correction devices.

10. The apparatus of Claim 1, wherein the software is executable upon demand and operative with the processor to communicate via the communication network with a manufacturer of vision correction devices to manufacture the required vision correction device and/or a customer service support facility to e.g. verify information of the patient and product ordered.

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1. An apparatus for engaging and providing vision correction support comprising:

- a computer processor in digital communication with a digital media storage device, wherein the digital media storage device stores software code; and

- a transmitter in logical communication with the processor and also in logical communication with a communication network, wherein the software is executable upon demand and operative with the processor to:

- receive patient's data;

- receive data descriptive of a characteristic of a patient's eye;

- communicate the data to a remotely located eye practitioner and receive input from the remotely located eye practitioner via the communication network;

- determine whether vision correction is needed with reference to the input received via the communication network; and

- if the result of the determination is affirmative

- generate vision correction options;

- generate and display one or more software generated vision simulations; and

- generate and display one or more software generated simulations of the patient wearing the generated vision correction options.

2. The apparatus of Claim 1, wherein the software is additionally operative with the processor to generate an updatable personalized vision care ID card for the patient and wherein the digital media storage device and personalized vision care ID card can store digital data descriptive of vision diagnostic information related to the patient:

3. The apparatus of Claim 1, wherein the software is additionally operative with the processor to transmit the data descriptive of a characteristic of a patient's eye data and the patient's data to a manufacturing apparatus via the communications network.
4. The apparatus of Claim 1, wherein the software is additionally operative with the processor to generate and display video simulation data through a user interface.
5. The apparatus of Claim 4, wherein the simulation displayed comprises a patient's vision without a vision correction option compared to the patient's vision with the vision correction option.
6. The apparatus of Claim 1, wherein the software is additionally operative with the processor to generate a recommendation of the patient's use of one or more products or treatments based on the received measurement(s) and patient's responses.
7. The apparatus of Claim 2, wherein the vision care ID card can be implemented by an entity related to the distribution and control of ophthalmic products.
8. The apparatus of Claim 1, wherein the one or more vision measuring tools are used for a refraction examination or a wavefront examination or an eye physiology examination or an eye topographical examination.
9. The apparatus of Claim 2, wherein some or all of the information

stored on the ID card is distributed to eye care practitioners, merchants or manufacturers of vision correction devices.

10. The apparatus of Claim 1, wherein the software is executable upon demand and operative with the processor to communicate via the communication network with a manufacturer of vision correction devices to manufacture the required vision correction device and/or a customer service support facility to e.g. verify information of the patient and product ordered.