CLAIMS

1. An ophthalmic lens intended to be worn in front of an eye of a wearer having a first optical function based on a prescription of the wearer for correcting an abnormal refraction of said eye of the wearer and comprising at least one activable optical element,
wherein in a first state the at least one activable optical element contributes with the rest of the ophthalmic lens to focus an image of an object at distance on the retina, and in a second state the at least one activable optical element has a second optical function of not focusing an image on the retina of the eye of the wearer so as to slow down the progression of the abnormal refraction of the eye,
wherein the second optical function is supported by a plurality of at least three activable optical elements organized in concentric rings.

2. The ophthalmic lens according to claim 1 wherein in the second state the at least one activable optical element has a second optical function of focusing an image other than on the retina of the eye of the wearer.

3. The ophthalmic lens according to any of the preceding claims wherein at least one activable optical element has a spherical surfacic power.

4. The ophthalmic lens according to any of the preceding claims wherein at least one activable optical element has an aspherical surfacic power.

5. The ophthalmic lens according to any of claims 1 to 4 further comprising:
- a first substrate having a first index of refraction;
- a second substrate having said first index of refraction, the second substrate being arranged to face the first substrate and form a cavity between said first and second substrates;
- an electro-active material disposed between the first and second substrates, the electro-active material having an index of refraction equal to the index of refraction of the substrates in a first state;

- a first conductive layer disposed on the surface of the first substrate facing the electro-active material;
- a second conductive layer disposed on the surface of the second substrate facing the electro-active material;

wherein at least one of the surfaces of the substrate facing the electro-active material comprises at least one activable optical element,

wherein in a first state, the first and second substrates, the electro-active material and the at least one activable optical element have the same index of refraction and participate to the first optical function, and in a second state, the index of refraction of the electro-active material is modified, thereby activating the second optical function of the at least one activable optical element.

6. The ophthalmic lens of claim according to any of the preceding claims wherein the abnormal refraction of the eye of the wearer corresponds to myopia and wherein the at least one activable optical element does not focus light rays on the retina of the user.

7. The ophthalmic lens of claim according to any of claims 1 to 5 wherein the abnormal refraction of the eye of the wearer corresponds to myopia and wherein the at least one activable optical element focuses light rays in front of the retina of the user.

8. The ophthalmic lens of any of the preceding claims further comprising receiving means configured to receive data, and wherein the transitions between the first and second states of the ophthalmic lens are driven in real-time based on the received data.

9. The ophthalmic lens according to claim 8 wherein the received data relates to a viewing distance or to a viewing angle.