CLAIMS

1. A lens element, edged and intended to be mounted in a spectacle frame and to be worn in front of an eye of a wearer comprising:

- a prescription portion configured to provide to the wearer in standard wearing conditions a first optical function based on the prescription of the wearer for correcting an abnormal refraction of said eye of the wearer, and
- a plurality of contiguous optical elements,

wherein each optical element has a simultaneously bifocal optical function that provides simultaneously:

- a second optical function in standard wearing conditions and
- a third optical function of not focusing an image on the retina of the eye in said standard wearing conditions so as to slow down the progression of the abnormal refraction of the eye,

wherein a whole surface of at least one face of the lens element is covered with the plurality of contiguous optical elements.

2. The lens element according to claim 1, wherein an optical power of the second optical function in standard wearing conditions is smaller than or equal to 0.25 diopters.

3. The lens element according to the preceding claim, wherein at least part of, for example all of, the optical elements are arranged along a plurality of concentric rings.

4. The lens element according to any of the preceding claims, wherein at least part, for example all, of the optical elements are located on the front surface of the lens element.

5. The lens element according to any of the preceding claims, wherein at least part, for example all, of the optical elements are made of a birefringent material.

6. The lens element according to any of the preceding claims, wherein at least part, for example all, of the optical elements are diffractive lenses.

7. The lens element according to any of the preceding claims, wherein at least part, for example all, of the optical elements are π-Fresnel lenses.

8. The lens element according to the preceding claim, wherein at least part, for example all, of the diffractive lenses comprises a metasurface structure.

9. The lens element according to any of the preceding claims, wherein at least part, for example all, of optical elements are multifocal binary components.

10. The lens element according to any of the preceding claims, wherein at least part, for example all, of the optical elements are pixelated lenses.

11. The lens element according to any of the preceding claims, wherein a difference between an optical power of the second optical function and an optical power of the third optical function is greater than or equal to 0.5D.

12. The lens element according to any of the preceding claims, wherein a difference between an optical power of the first optical function and an optical power of the third optical function is greater than or equal to 0.5D.

13. A method for providing a lens element intended to be worn in front of an eye of a wearer according to any of the preceding claims, wherein the method comprises the steps of:

- providing a lens member configured to provide to the wearer in standard wearing conditions a first refractive power based on the prescription for the wearer for correcting an abnormal refraction of said eye of the wearer,
- providing an optical patch comprising a plurality of contiguous optical elements,
- forming a lens element by placing the optical patch on one of the front or back surface of the lens member,

wherein each optical element has a simultaneously bifocal optical function that provides simultaneously when said patch is placed on one of the surfaces of the lens member:

- a second optical function in standard wearing conditions and

- a third optical function of not focusing an image on the retina of the eye in said standard wearing conditions so as to slow down the progression of the abnormal refraction of the eye.

14. A method for providing a lens element intended to be worn in front of an eye of a wearer according to any of claims 1 to 12, wherein the method comprises the step of casting the lens element and during the casting step providing an optical patch comprising a plurality of contiguous optical elements each optical element having a simultaneously bifocal optical function that provides simultaneously when said lens element is worn before said eye of the wearer:

- a second optical function in standard wearing conditions and

- a third optical function of not focusing an image on the retina of the eye in said standard wearing conditions so as to slow down the progression of the abnormal refraction of the eye.