

CLAIMS

1. A lens element intended to be worn in front of an eye of a wearer comprising:
 - a refraction area having a refractive power based on a prescription for said eye of
 - 5 the wearer; and
 - a plurality of at least two contiguous optical elements, at least one optical element having an 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.
- 10 2. The lens element according to claim 1, wherein at least the two contiguous optical elements are independent.
3. The lens element according to claim 1 or 2, wherein the optical elements are positioned on a network.
- 15 4. The lens element according to the preceding claim, wherein the network is a structured network.
5. The lens element according to the preceding claim, wherein the optical elements
- 20 are positioned along a plurality of concentric rings.
6. The lens element according to the preceding claims, further comprising optical elements positioned radially between two concentric rings.
- 25 7. The lens element according to any of the preceding claims, wherein at least part, for example all, of the optical elements have a constant optical power and a discontinuous first derivative between two contiguous optical elements.
8. The lens element according to any of the preceding claims, wherein at least part,
- 30 for example all, of the optical elements have a varying optical power and a continuous first derivative between two contiguous optical elements.

9. The lens element according to any of the preceding claims, wherein at least one, for example all, of the optical elements has an optical function of focusing an image on a position other than the retina of the wearer.
- 5 10. The lens element according to any of the preceding claims, wherein at least one of the optical elements is a toric refractive micro-lens.
11. The lens element according to any of the preceding claims, wherein the optical elements are configured so that along the at least one section of the lens the mean
10 sphere and/or the cylinder of optical elements increases from the center of said section towards the peripheral part of said section.
12. The lens element according to any of the preceding claims, wherein the refractive area is formed as the area other than the areas formed as the plurality of optical
15 elements.
13. The lens element according to any of the preceding claims, wherein for every circular zone having a radius comprised between 2 and 4 mm comprising a geometrical center located at a distance of the framing reference that faces the pupil of the user
20 gazing straight ahead in standard wearing conditions greater or equal to said radius + 5mm, the ratio between the sum of areas of the parts of optical elements located inside said circular zone and the area of said circular zone is comprised between 20% and 70%.
- 25 14. The lens element according to any of the preceding claims, wherein the lens element further comprises at least four optical elements, the optical elements being organized in at least two groups of contiguous optical elements, each group of contiguous optical element being organized in at least two concentric rings having the same center, the concentric ring of each group of contiguous optical element being
30 defined by an inner diameter corresponding to the smallest circle that is tangent to at least one optical element of said group and an outer diameter corresponding to the largest circle that is tangent to at least one optical elements of said group.

15. The lens element according to the preceding claim, wherein the distance between two successive concentric rings of optical elements is greater than or equal to 5.0 mm, the distance between two successive concentric rings being defined by the
- 5 difference between the inner diameter of a first concentric ring and the outer diameter of a second concentric ring, the second concentric ring being closer to the periphery of the lens element.