

ABSTRACT

MULTIFOCAL LENS DESIGN AND METHOD FOR PREVENTING AND/OR SLOWING MYOPIA PROGRESSION

A multifocal ophthalmic lens has an optic zone that includes at least one first zone having a dioptric power that satisfies a distance refraction need of a patient; and at least one second zone having a dioptric power that is greater than the dioptric power of the at least first zone. The at least one first zone and the at least one second zone are configured so that 1) an image quality on the retina of the patient is superior to the image quality both in front of the retina and behind the retina, and 2) an image quality in front of the retina of the patient is superior to the image quality behind the retina. The multifocal ophthalmic lens prevents and/or slows myopia progression.

Figure 1