

ABSTRACT

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

Contact lenses incorporate multifocal power profiles that at least one of slow, retard or preventing myopia progression. The lens includes a first zone at a center of the ophthalmic lens and at least one peripheral zone surrounding the first zone. The at least one peripheral zone has a different width and dioptric power than the first zone. The first zone and at least one peripheral zone are stepped or discontinuous. The multifocal power profile has substantially equivalent foveal vision correction to a single vision lens and has a depth of focus and reduced retinal image quality sensitivity that slows, retards, or prevents myopia progression.

Figure 3A