

ABSTRACT

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

Contact lenses incorporate mask lens designs that at least one of slow, retard or preventing myopia progression. The lens includes a first zone at a center of the lens; at least one peripheral zone surrounding the center and having a dioptric power that is different than that at the center; and an opaque mask beginning at a radial distance from the center, thereby providing a lens power profile having substantially equivalent foveal vision correction to a single vision lens, and having a depth of focus and reduced retinal image quality sensitivity that slows, retards, or prevents myopia progression.

Figure 3A