

[54] **TELEDIOPTRIC LENS SYSTEM**

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[58] **Field of Search** ..... 623/6; 351/41, 158,  
 351/167

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[57] **ABSTRACT**

An ocular telescopic lens system for low-vision conditions such as macular degeneration includes an intraocular lens having a converging lens portion and a diverging lens portion, and multiple-element spectacles having anterior and posterior lenses arranged to converge light toward the diverging lens portion. The intraocular lens includes an optic with a generally continuous rearward surface that combines with a first portion of the forward surface as the converging lens portion and with a second portion of the forward surface as the diverging lens portion, while the anterior and posterior lenses of the spectacles may have concave surfaces, combine to serve as an objective lens, and provide at least +8 diopter power. Mounting components are included for mounting the anterior and posterior lenses on a spectacle frame so that light passes first through the anterior lens and then through the posterior lens in traveling to the eye of a user, and these components may be configured to enable adjustment of the distance by which the anterior lens and the posterior lens are separated while maintaining the anterior lens fixed relative to the spectacle frame so as not to vary the vertex distance.

**15 Claims, 4 Drawing Sheets**

