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(54) **BIOPTIC TELESCOPE SYSTEM EMBEDDED INTO A SPECTACLE LENS**

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(57) **ABSTRACT**

The invention relates to apparatus and methods for increasing visual acuity through the use of a bioptic telescope which is at least partially embedded in a spectacle lens. In one embodiment, the telescope includes a vision lens having a vision axis and a first surface for placement substantially in front of an eye of a user. The telescope further includes a plurality of optical elements defining an optical path for viewing an object in front of the first surface. At least one of the plurality of optical elements is positioned such that at least a portion of the optical path is located within the vision lens in a plane substantially orthogonal to the vision axis.

13 Claims, 10 Drawing Sheets

