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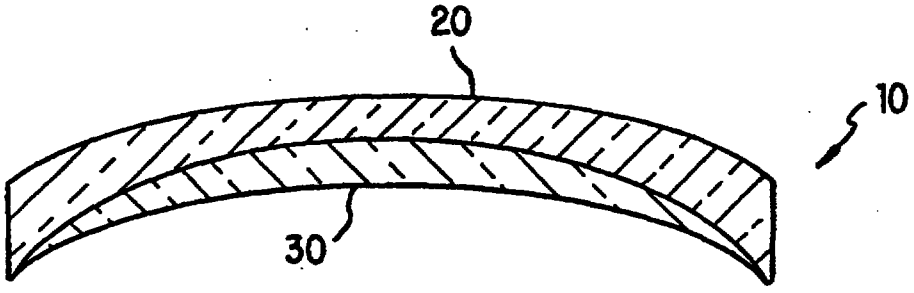

(57) Abstract

A compound ophthalmic lens (10) having improved chromatic aberration is provided which includes a polymerized resin superstrate lens (20) formed on a substrate lens (30). The chromatic dispersion characteristics of the resin (20), as well as its refractive index, are matched to the substrate lens (30) to obtain the desired Abbe number, lens power and thickness of the finished lens (10), and to render the interface between the substrate lens (30) and the superstrate lens (20) substantially invisible. The color dispersion of the substrate lens (30) is compensated for by the superstrate lens (20) which has a relatively low Abbe number and has an opposite power from the substrate lens (30).