

# United States

Rayces

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[54] ALL SPHERICAL SOLID CATADIOPTRIC SYSTEMS

3,700,310 10/1972 Rayces..... 350/201

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### [57] ABSTRACT

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An improved catadioptric objective system including a rear support element having a concave primary mirror thereon at one end, a middle support element and a front support element having a convex secondary mirror thereon at the other end, in which the support elements are arranged so that rays reflected by the primary mirror go through two glass-to-air and air-to-glass refractions before reaching the secondary mirror, to correct zonal spherical aberrations in combination with other parameters of the lens.

[52] U.S. Cl. .... 350/201; 350/201

[51] Int. Cl.<sup>2</sup> ..... G02B 17/06

[58] Field of Search ..... 350/201, 29, 199

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17 Claims, 3 Drawing Figures

