United States Patent [19]

Shirayanagi

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[54] **PROGRESSIVE MULTI-FOCAL OPHTHALMIC LENS**

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Related U.S. Application Data

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[30] **Foreign Application Priority Data**

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[52] **U.S. Cl.** **351/169**; 350/432; 350/452

[58] **Field of Search** 351/168–172; 350/452, 432–435

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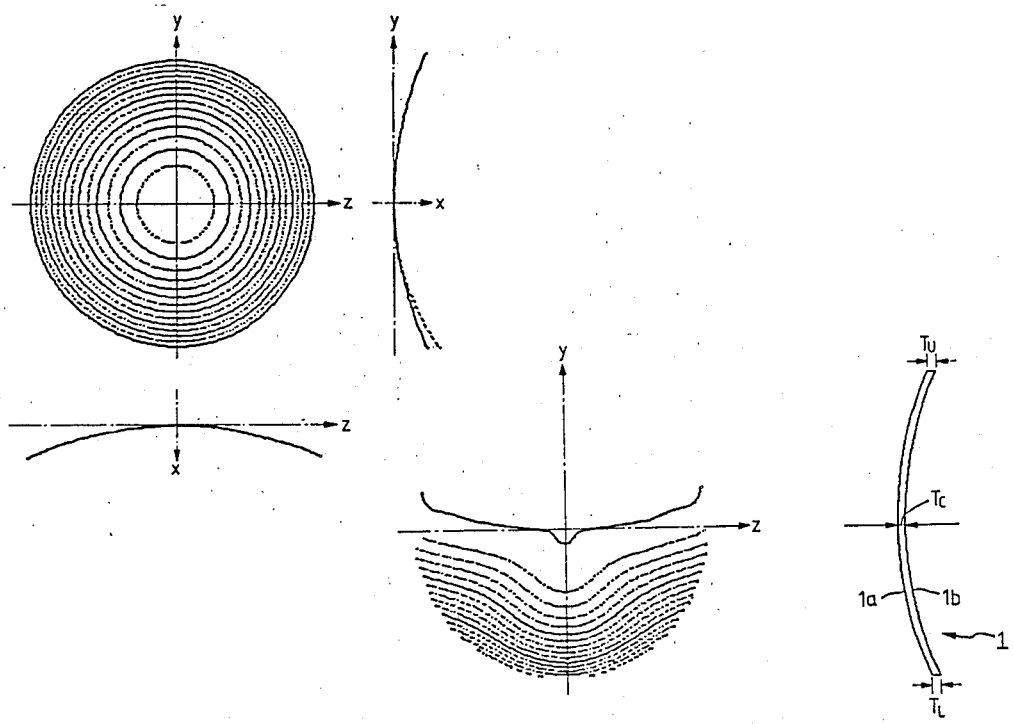
[57] **ABSTRACT**

A progressive multi-focal ophthalmic lens having a front refracting surface and a rear refracting surface one of which is a progressive surface whose refractive power changes continuously with the other being a non-progressive surface. The progressive surface is formed as a Fresnel lens surface composed of microscopic steps so that the macroscopic shape of the progressive surface generally conforms to that of the non-progressive surface.

7 Claims, 5 Drawing Sheets