

[54] PHASE SHIFT MULTIFOCAL ZONE PLATE

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[\*] Notice: The portion of the term of this patent subsequent to Jul. 1, 1997, has been disclaimed.

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Related U.S. Application Data

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[52] U.S. Cl. .... 351/161; 350/162 ZP; 350/452; 351/168

[58] Field of Search ..... 351/160 R, 160 H, 161, 351/168; 350/162 ZP, 452

[56] References Cited

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[57] ABSTRACT

A multifocal zone plate construction suitable for use in optical systems with multifocal requirements. It is designed as a phase shift multifocal zone plate to provide multiple foci with bright images. This is accomplished by adjusting the zone plate spacings such that some of the zone plate foci actually coincide with some of the multifocal Fresnel lens foci.

9 Claims, 11 Drawing Figures

