

United States Patent [19]

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Whitney et al.

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[45]

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- [54] ASPHERIC LENS SERIES
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- [73] Assignee: American Optical Corporation, Southbridge, Mass.
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- [58] Field of Search ..... 350/189; 351/167, 176

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[57] ABSTRACT

A series of non-lenticular ophthalmic lenses for use in the correction of aphakia having, in the case of each lens of the series, a front surface of rotationally symmetrical aspheric cross-sectional curvature designed for wide field of view with consideration of the aphakic eye as a dynamic optical system and geometry permitting cast-finishing to patient's prescription in currently fashionable large lens sizes with minimal weight, thickness and flatness allowing close fitting to the eye. The front surface aspheric coefficients are selected to overcome prior art rapid zero edge thickness conditions.

- [56] References Cited
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8 Claims, 3 Drawing Figures

