

[54] METHOD OF MAKING A SPIN CAST GRADIENT LIGHT ABSORBING CONTACT LENS

FOREIGN PATENT DOCUMENTS

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[76] Inventor: Charles W. Neefe, 811 Scurry St., P.O. Box 429, Big Spring, Tex. 79720

Primary Examiner—James Lowe

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[57] ABSTRACT

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A method of spin casting gradient light absorbing contact lenses. A concave spin casting mold is provided. A mixture of liquid lens monomer and a light absorbing material is placed in the concave spin casting mold. The concave mold is allowed to remain quiescent until the heavier light absorbing material settles at the center of the concave mold surface. The spin casting mold is rotated at the speed required to form a contact lens. The liquid lens monomer spreads outward leaving a dense zone of light absorbing material at the lens center and progressively less light absorbing material toward the lens edge. The rotating liquid lens monomer is allowed to polymerize. The gradient absorption lens having a clear periphery is removed from the mold.

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[58] Field of Search ..... 264/1.1, 1.7, 1.9, 2.1, 264/2.7, 311; 425/808; 351/162, 163, 165

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12 Claims, 3 Drawing Figures

