

[54] CONTACT LENS

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[\*] Notice: The portion of the term of this patent subsequent to May 18, 1993 has been disclaimed.

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Related U.S. Application Data

[63] Continuation of Ser. No. 736,555, Oct. 28, 1976, Pat. No. 4,180,308, which is a continuation-in-part of Ser. No. 685,996, May 13, 1976, Pat. No. 4,056,496, which is a continuation-in-part of Ser. No. 451,906, Mar. 18, 1974, Pat. No. 3,957,362, which is a continuation-in-part of Ser. No. 294,019, Oct. 2, 1972, abandoned.

[51] Int. Cl.<sup>3</sup> ..... G02C 7/04

[52] U.S. Cl. .... 351/160 H

[58] Field of Search ..... 351/160 H, 160 R

[56] References Cited

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[57] ABSTRACT

This invention concerns a minus prescription hydrogel contact lens that permits oxygen diffusion to the cornea in sufficient quantity to avoid the effects of oxygen deprivation; avoids the physiological complications arising from damage to the bulbar conjunctiva due to compression of the limbal capillaries; and avoids corneal scleral or wetting deficiencies. These advantages are accomplished through a combination of lens design and hydrogel properties.

19 Claims, 1 Drawing Figure

