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[54] MULTIFOCAL CONTACT LENS

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[*] Notice: The term of this patent shall not extend beyond the expiration date of Pat. No. 5,619,289.

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Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 308,065, Sep. 16, 1994, Pat. No. 5,619,289, which is a continuation-in-part of Ser. No. 40,422, Mar. 31, 1993, Pat. No. 5,404,183, Ser. No. 111,845, Aug. 25, 1993, Pat. No. 5,493,350, and Ser. No. 201,699, Feb. 25, 1994, Pat. No. 5,526,071, which is a continuation-in-part of Ser. No. 40,422, said Ser. No. 111,845, is a continuation-in-part of Ser. No. 40,422.

[51] **Int. Cl.**[6] **G02C 7/04**

[52] **U.S. Cl.** ..... **351/161**; 351/160 H

[58] **Field of Search** ..... 351/161, 160 R, 351/160 H

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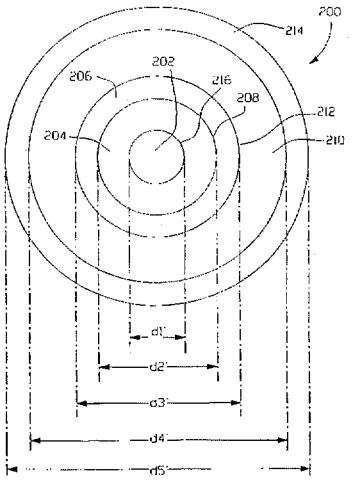
[57] **ABSTRACT**

A multifocal contact lens customized for a patient has an anterior side with a power curve defined in part by (i) a central spheric aspheric surface, (ii) an inner annular spheric surface contiguous with the central aspheric surface, (iii) a second annular spheric surface contiguous along a radially inner periphery with the inner annular spheric surface, and (iv) an outer annular spheric surface contiguous along a radially inner periphery with the second annular spheric surface. Each of the annular spheric surfaces is concentric or coaxial with the central aspheric surface. The central aspheric surface corresponds to a distance vision correction zone. The inner annular spheric surface is an spheric surface corresponding to an intermediate vision correction zone. The second annular spheric surface corresponds to a near vision correction zone, and the outer annular spheric surface corresponds to a distant vision correction zone.

21 Claims, 3 Drawing Sheets