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[54] **FLEXIBLE INTRAOCULAR LENSES MADE FROM HIGH REFRACTIVE INDEX POLYMERS**

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Related U.S. Application Data

[63] Continuation of Ser. No. 76,378, Jun. 14, 1993, Pat. No. 5,290,892, which is a continuation of Ser. No. 837,796, Feb. 18, 1992, abandoned, which is a continuation-in-part of Ser. No. 609,863, Nov. 7, 1990, abandoned.

[51] **Int. Cl.**[6] **A61F 2/16**

[52] **U.S. Cl.** **623/6**; 526/292.1

[58] **Field of Search** 623/6; 526/259, 292.1, 526/292.3, 292.5, 292.6, 294, 296, 307.5, 323, 323.1, 323.2, 326, 328.5

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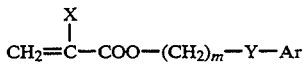
[57] **ABSTRACT**

High refractive index copolymers comprised of monomers having the formula:



$$CH_2{=}\overset{\overset{X}{|}}{C}{-}COO{-}(CH_2)_m{-}Y{-}Ar$$

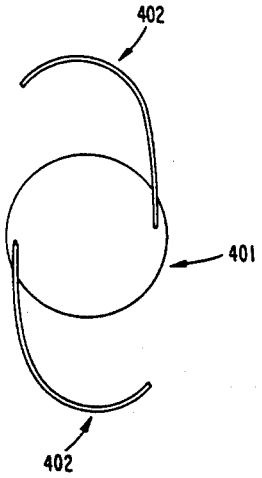
wherein

X is H or CH_3;

m is 0–10;

Y is nothing, O, S, or NR wherein R is H, CH_3, C_nH_{2n+1} (n=1–10) iso OC_3H_7, C_6H_5, or $CH_2C_6H_5$;

Ar is an aromatic ring which is unsubstituted or substituted with H, CH_3, C_2H_5, n—C_3H_7, iso—C_3H_7, OCH_3, C_6H_{11}, Cl Br, C_6H_5 or $CH_2C_6H_5$; and n is 1–5;

a cross linking monomer having a plurality of polymerizable ethylenically unsaturated groups are disclosed. Intraocular lenses made of the copolymers which can be inserted into an aphakic eye through a relatively small incision are also disclosed.

2 Claims, 2 Drawing Sheets