



US005224957A

United States Patent [19]

[11] Patent Number: **5,224,957**

Gasser et al.

[45] Date of Patent: **Jul. 6, 1993**

[54] **METHOD OF PROVIDING A COMPOSITION FOR AN EYE**

1503802 8/1989 U.S.S.R. 128/898
8900029 1/1989 World Int. Prop. O. 606/107

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OTHER PUBLICATIONS

CA 108:39690y Comparison of Photostabilization in acrylic/urethane and acrylic/melamine coatings containing hindered amines and ultraviolet absorbers.

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CA 114:171360y Polymer compositions for interocular lenses.

CA 114:230037a Difunctional (meth)acrylate compounds, manufacture, and uses.

[21] Appl. No.: **571,303**

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[22] Filed: **Aug. 22, 1990**

Attorney, Agent, or Firm—Robert W. Becker & Associates

[30] **Foreign Application Priority Data**

Aug. 22, 1989 [DE] Fed. Rep. of Germany 3927667

[57] ABSTRACT

[51] **Int. Cl.⁵** **A61F 2/16**

[52] **U.S. Cl.** **623/6; 604/290; 128/898; 606/107; 522/186**

[58] **Field of Search** **623/4, 6; 604/289, 290; 128/898; 351/160 R, 160 H; 606/107; 522/186, 181, 182, 90, 75**

A method is provided for treating cataracts and other eye diseases, and includes the use of photopolymerizable compositions for preparing an intraocular-lens filling material which is used during an operation with an inserted intraocular-lens shell. The photopolymerizable compositions contain the following components:

[56] **References Cited**

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- a) 90–99.99% by weight, preferably 94–99.799% by weight of at least one at least difunctional acrylic and/or methacrylic acid ester,
- b) 0.01–5% by weight, preferably 0.1–2% by weight, of at least one photoinitiator which is activatable with light in the wavelength range 400–500 nm,
- c) 0–9.98% by weight, preferably 0.001–2% by weight, of a UV-absorber which can absorb light of wavelengths <400 nm, and
- d) 0–9.98% by weight, preferably 0.1–2% by weight, of other auxiliary substances, such as dyes or activators for the photoinitiator, for example tertiary amines,

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the quantity particulars referring in each case to the total mass.

13 Claims, No Drawings