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United States Patent [19]

Keita et al.

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[54] **POLYMERIZABLE COMPOSITIONS BASED ON THIO (METH) ACRYLATE MONOMERS, POLYMERS WITH A LOW YELLOW INDEX OBTAINED FROM SUCH COMPOSITIONS, AND CORRESPONDING OPHTHALMIC LENSES**

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[57] **ABSTRACT**

[21] Appl. No.: **652,244**

Transparent polymer composition comprising:

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a component A comprising:

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at least 10% by weight of a monomer or of a mixture of monomers (I), containing at least one thioacrylate or thiomethacrylate function;

[51] **Int. Cl.⁶** **C08F 228/02**; C08F 228/04

[52] **U.S. Cl.** **523/106**; 522/180; 526/286; 526/289; 351/159; 524/547

0 to 90% by weight of one or more monomers (II) which are copolymerizable by a radical route, preferably mono- or polyfunctional vinyl, acrylic or methacrylic; and

[58] **Field of Search** 523/106; 524/547; 526/286, 289; 522/180; 351/159

a component B comprising, relative to the weight of the component A:

[56] **References Cited**

U.S. PATENT DOCUMENTS

4,606,864 8/1986 Warren .
5,442,022 8/1995 Keita et al. .

0.1 to 15% by weight of one or more monomers (III) containing an ethylenic unsaturation which does not contribute to an aromatic system and having a carbon bearing a free hydroxyl group in an α position relative to the ethylenic unsaturation.

FOREIGN PATENT DOCUMENTS

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Application to the manufacture of ophthalmic lenses.

16 Claims, No Drawings