

[54] CORRECTION OF DEFECTS IN THE EYE AND COMPOSITIONS THEREFOR

[75] Inventor: Thomas D. Talcott, Irvine, Calif.

[73] Assignee: Innovative Surgical Products, Inc., Santa Ana, Calif.

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[56] References Cited

U.S. PATENT DOCUMENTS

3,197,433	7/1965	Lamoreaux	528/15
3,269,983	8/1966	Holbrook	528/15
4,114,993	9/1978	Travnicek	351/160

OTHER PUBLICATIONS

"Experiments in the Filling Lens", Julius Kessler, Ar-

chives of Ophthalmology, vol. 71, Mar. 1964, pp. 412-417.

"Refilling the Rabbit Lens", Julius Kessler, Archives of Ophthalmology, vol. 76, Oct. 1966, pp. 596-598.

"Lens Refilling and Regrowth of Lens Substance in the Rabbit Eye", Julius Kessler, Annals of Ophthalmology, Aug. 1975, pp. 1059-1062.

Primary Examiner—Melvyn I. Marquis  
Attorney, Agent, or Firm—Knobbe, Martens, Olson & Bear

[57] ABSTRACT

A composition for forming in vivo a lens in an eye comprises silicone polymer and is curable at body temperature to form an optically clear lens which remains so in the presence of physiological fluids. The composition is generally a curable viscous liquid comprising (a) a crosslinkable siloxane polymer, (b) a crosslinker, and (c) a crosslinking catalyst for injecting into the lens capsule of the eye from which the natural lens has been removed.

24 Claims, 4 Drawing Figures

