

[54] ARTIFICIAL LENS AND THE METHOD FOR IMPLANTING SUCH LENS

[57] ABSTRACT

[76] Inventor: Charles D. Kelman, 260 Grand Central Pkwy., Floral Park, N.Y. 11005

An artificial lens adapted for implantation in the human eye and the method for implanting such lens. The lens is of pliable material so that it may be folded or curled for insertion through a minimum length incision. It has a medial optic portion having a posterior concave surface corresponding to the anterior surface of the natural lens when the latter is in its flattest natural condition, and haptic portions for seating the lens in the eye such that the posterior concave surface of the medial optic portion of the artificial lens seats directly against the anterior surface of the natural lens of the eye which remains in and is not removed from the eye. The method according to the invention includes determining the shape of the anterior surface of the natural lens when the latter is in its flattest natural condition, forming the posterior surface of the optic of the artificial lens such as to correspond substantially to that shape and seating the lens in the posterior chamber between the iris and the natural lens with the posterior concave surface of the artificial lens seated on the anterior convex surface of the natural lens.

[21] Appl. No.: 57,287

[22] Filed: Jun. 2, 1987

[51] Int. Cl.⁴ A61F 2/16

[52] U.S. Cl. 623/6

[58] Field of Search 623/6

References Cited

U.S. PATENT DOCUMENTS

4,585,456 4/1986 Blackmore 623/6

FOREIGN PATENT DOCUMENTS

3439551 4/1986 Fed. Rep. of Germany 623/6

0118985 9/1984 European Pat. Off. 623/6

1103399 5/1955 France 623/6

Primary Examiner—Ronald L. Frinks
Attorney, Agent, or Firm—Henry Sternberg; Bert J. Lewen

12 Claims, 1 Drawing Sheet

