

[54] **SOFT AND ELASTIC INTRACAMERAL LENS AND A METHOD FOR MANUFACTURING THEREOF**

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**Related U.S. Application Data**

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[58] **Field of Search** ..... **623/6; 264/1.1, 2.6, 264/299, 319**

**References Cited**

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**ABSTRACT**

A soft and elastic intracameral lens, the back surface of which is formed by a continuous rotation-symmetric convex surface and the front surface comprises a central convex surface of sphere or quadric rotation-symmetric body linked on the diameter of 4 to 8 mm, preferably through a rounded transition, to a concave ring surface of a sphere or a toroid, whereas the distance between the concave ring surface and the back surface is 0.05 to 1.5 mm.

The intracameral lens according to the invention is manufactured by charging a mold, which has the negative shape of the required front surface of the lens and is provided at the periphery with a sharp edge protruding by 0.05 to 1.5 mm above the end of the peripheral ring surface, with a monomer mixture as high as above the sharp edge to form a continuous convex meniscus and the mold with the monomer mixture is then exposed to polymerization conditions.

**17 Claims, 1 Drawing Sheet**

