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(12) **United States Patent**
Cumming

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(54) **INTRAOCULAR LENSES WITH FIXATED HAPTICS**

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Related U.S. Application Data

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(58) **Field of Search** 623/6.43, 6.44, 623/6.45, 6.51

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,173,798	*	11/1979	Welsh	623/6.44
4,206,518	*	6/1980	Jardon et al.	623/6.44
4,277,851	*	7/1981	Choyce et al.	623/6.43
4,409,690	*	10/1983	Gess	623/6.43
4,605,411	*	8/1986	Federov et al.	623/6.44
5,013,322		5/1991	Rosa .	
5,047,051	*	9/1991	Cumming	623/6.45
5,180,399		1/1993	Drews .	
6,027,531	*	2/2000	Tassignon	623/6.43

* cited by examiner

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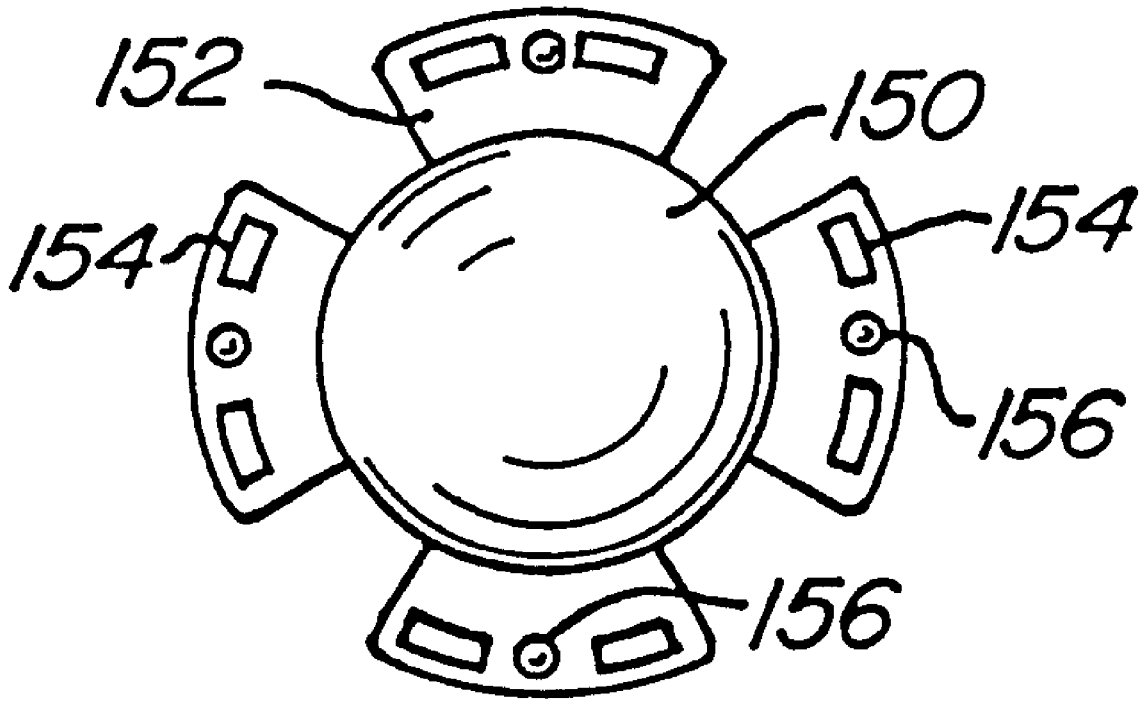
(57) **ABSTRACT**

Intraocular lenses for implanting within natural capsular bags of human eyes have features on distal end portions to prevent movement or sliding thereof relative to fibrosis pockets or tunnels defined about proximally adjacent haptic portions to fixate haptics against dislocation.

15 Claims, 4 Drawing Sheets