



US006443985B1

(12) **United States Patent**  
**Woods**

(10) **Patent No.:** **US 6,443,985 B1**  
(45) **Date of Patent:** **Sep. 3, 2002**

(54) **INTRAOCULAR LENS IMPLANT HAVING EYE ACCOMMODATING CAPABILITIES**

6,299,641 B1 \* 10/2001 Woods ..... 623/6.37  
6,322,589 B1 \* 11/2001 Cumming ..... 623/6.44

(76) **Inventor:** **Randall Woods**, 136 Valley Ranch North, Prescott, AZ (US) 86303

\* cited by examiner

(\*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

*Primary Examiner*—Corrine McDermott  
*Assistant Examiner*—Hieu Phan  
(74) *Attorney, Agent, or Firm*—Hovey Williams LLP

(21) **Appl. No.:** **09/940,018**

(22) **Filed:** **Aug. 27, 2001**

(51) **Int. Cl.<sup>7</sup>** ..... **A61F 2/16**

(52) **U.S. Cl.** ..... **623/6.46; 623/6.11**

(58) **Field of Search** ..... 623/6.11, 6.38, 623/6.39, 6.41, 6.4, 6.43–6.55, 6.37, 6.13

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

5,674,282 A \* 10/1997 Cumming ..... 623/6  
6,152,958 A \* 11/2000 Nordan ..... 623/6.25

(57) **ABSTRACT**

An improved intraocular lens (28) is provided which more closely mimics the accommodation and focusing of the eye's natural lens. The lens (28) includes a central optic (30) together with a resilient positioning element (38) including a plurality of spaced-apart positioning legs (44) with openings (46) therebetween. The element (38) is configured so that the equatorial segment (48) thereof is maintained in substantial contact with at least a part of the corresponding equatorial portion (27) of the capsule (20), during essentially all orientations of the lens (28) within the capsule (20). A thin membrane (56) may be used to cover the openings (46) to thereby impede the passage of cells into the lens (28).

**19 Claims, 2 Drawing Sheets**

