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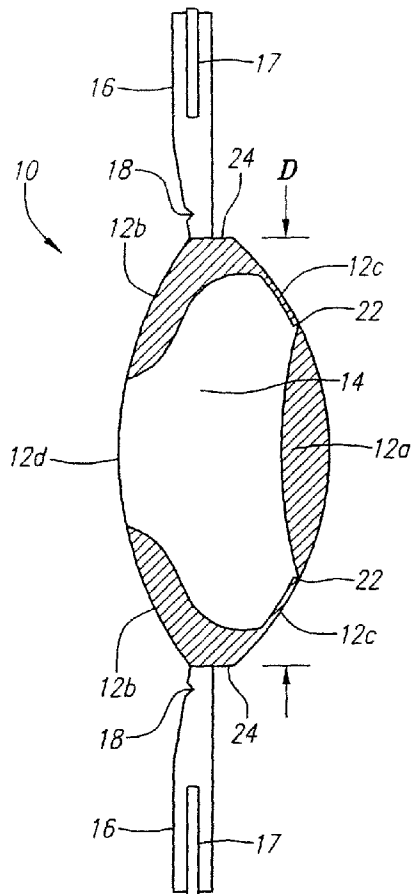
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[Continued on next page]

(54) Title: HYDROLIC ACCOMMODATING INTRAOCULAR LENS

(57) Abstract: An accommodating intraocular lens comprising an optic made from solid silicone and liquid silicone. The optic has a central anterior area or membrane that can vary in radius and thus change power.



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PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii))*

Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a
patent (Rule 4.17(ii))*

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

INV. A61F2/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A61F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/188351 A1 (LAGUETTE STEPHEN W [US]) 12 December 2002 (2002-12-12) figures 2,3 paragraph [0054] - paragraph [0057] paragraph [0063] - paragraph [0064]	1-12, 14, 17-28
X	US 2005/137703 A1 (CHEN JIN H [US]) 23 June 2005 (2005-06-23)	27, 28
A	paragraphs [0062], [0063]	1, 22
P, X	WO 2007/037180 A (MENICON CO LTD [JP]; NIWA KAZUHARU [JP]; KOBAYASHI ATSUSHI [JP]; SATAK) 5 April 2007 (2007-04-05) abstract; figures 1-13	1-28
P, A	WO 2007/011879 A (CLARKE GERALD [US]) 25 January 2007 (2007-01-25) page 11, line 19 - line 33	1-28

 Further documents are listed in the continuation of Box C. See patent family annex.

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Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date	
US 2002188351	A1	12-12-2002	BR 0209816 A	01-06-2004
			CA 2447686 A1	12-12-2002
			EP 1387651 A1	11-02-2004
			JP 2004528135 T	16-09-2004
			WO 02098328 A1	12-12-2002
US 2005137703	A1	23-06-2005	NONE	
WO 2007037180	A	05-04-2007	JP 2007089810 A	12-04-2007
WO 2007011879	A	25-01-2007	US 2007021831 A1	25-01-2007