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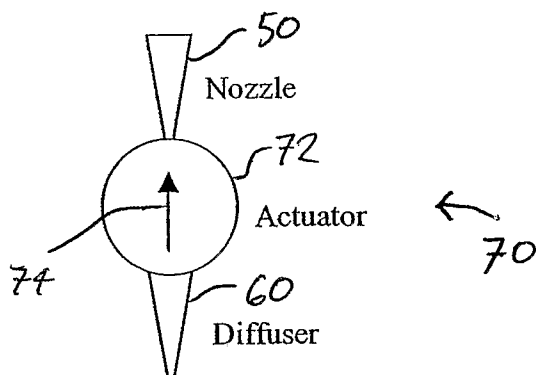
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(54) Title: FLUIDIC ADAPTIVE LENS SYSTEMS WITH PUMPING SYSTEMS



(57) Abstract: The present invention in various embodiments relates to a variety of different types of fluidic adaptive lens systems, pumping systems for implementation in such lens systems, other systems employing such lens systems, and related methods of fabrication. In at least some embodiments, the present invention relates to a lens system that includes a reservoir having at least one flexible wall, a first actuator coupled in relation to the reservoir, and a terminal at which is located at least one of an integrated fluidic lens and a port configured to be coupled to an external fluidic lens. The terminal is coupled to at least one of the reservoir and the actuator, and at least one of the actuator and a first pumping system including the actuator is capable of causing fluid to be moved at least one of from the reservoir toward the terminal, and from the terminal toward the reservoir.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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 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)
 U.S. : 359/666,665,738,740

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 practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,891,682 B2 (Aizenberg et al) 10 May 2005 (10.5.2005)	
A	US 6,992,238 B2 (Glebov et al) 14 Feb 2006 (14.2.2006)	

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

* Special categories of cited documents:	Code
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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