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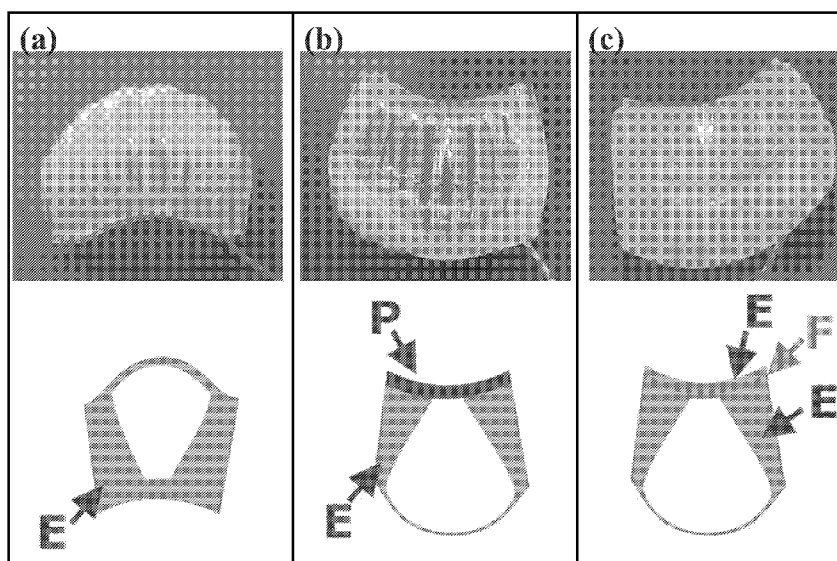
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[Continued on next page]

(54) Title: SOFT ROBOTIC ACTUATORS

FIGURE 5



(57) Abstract: A soft robotic device includes a flexible body having a width, a length and a thickness, wherein the thickness is at least 1 mm, the flexible body having at least one channel disposed within the flexible body, the channel defined by upper, lower and side walls, wherein at least one wall is strain limiting; and a pressurizing inlet in fluid communication with the at least one channel, the at least one channel positioned and arranged such that the wall opposite the strain limiting wall preferentially expands when the soft robotic device is pressurized through the inlet.



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A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
B25J

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)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	EP 1 190 819 A1 (SEIKO EPSON CORP [JP]) 27 March 2002 (2002-03-27) paragraphs [0074] - [0078] -----	1,22,28, 29
A	WO 2006/080088 A1 (SQUSE INC [JP]; DOSHISHA [JP]; KUDAWARA TATUWO [JP]; SHIMIZU MIKIO [JP]) 3 August 2006 (2006-08-03) the whole document -----	1,4-35
A	EP 1 319 845 A2 (SEIKO EPSON CORP [JP]) 18 June 2003 (2003-06-18) the whole document -----	1,4-35



Further documents are listed in the continuation of Box C.



See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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