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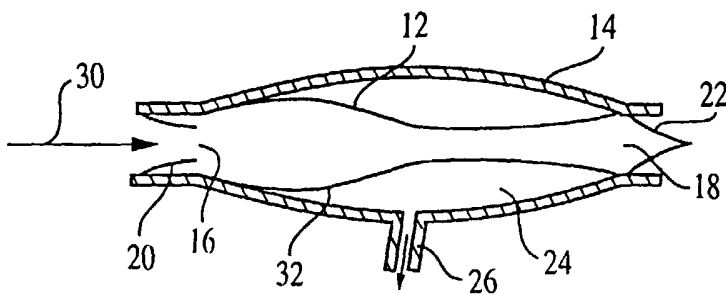
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(54) Title: BLOOD PUMP



(57) Abstract: A pump assembly especially designed for pumping blood comprises a bladder (12), the interior surface are and volume (24) of which is changeable, i.e., it stretches and expands during the filling phase, and elastically contracts to its normal relaxed state during the ejection phase. The bladder had a fluid inlet (16) and a fluid outlet (18). A device, such as a vacuum pump, alternately expands and contracts the interior surface area and volume of the bladder. Most of the interior surface area of the bladder expands and contracts in each

cycle. One or more check valves (20) or other means for causing substantially one-way fluid flow through the bladder are also provided.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER												
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B. FIELDS SEARCHED												
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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.										
X	US 5,222,980 A (Gealow) 29 June 1993, see entire document.	1, 2, 5, 8-11, 14, 15, 19-21 and 29-31										
X	US 4,133,616 A (Poirier) 09 January 1979, see entire document.	1-7, 10-15, 19-22, 26, 28 and 31										
☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.												
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