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(71) Applicant (for all designated States except US): CALIFORNIA INSTITUTE OF TECHNOLOGY [US/US]; 1200 East California Boulevard, Mail Code 201-85, Pasadena, CA 91125 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): GHARIB, Morteza [US/US]; 556 Berkeley Ave., San Marino, CA 91108 (US).

RINDERKNECHT, Derek [US/US]; 110 S. El Nido Ave., Apt. #80, Pasadena, CA 91107 (US). GHARIB, Mostafa [DE/US]; Bilharz Strasse 16, 51061, Koln (DE).

(74) Agent: HARRIS, Scott, C.; Fish & Richardson, P.C., 12390 El Camino Real, San Diego, CA 92130 (US).

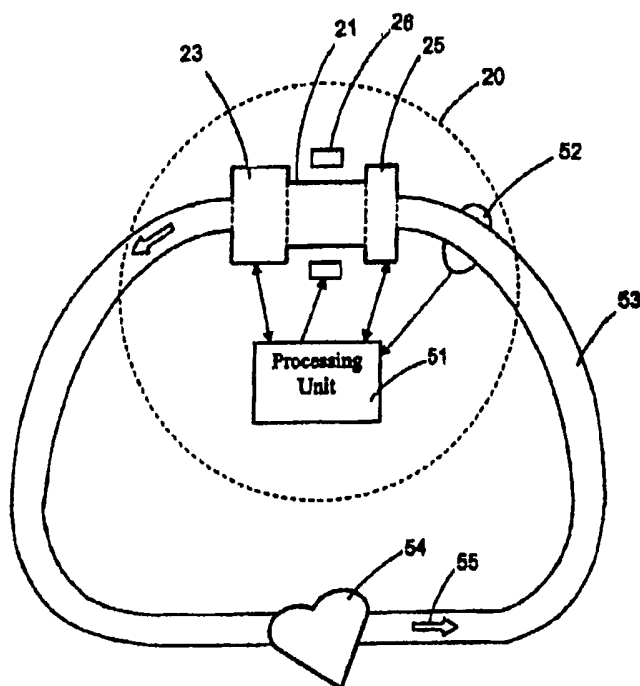
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[Continued on next page]

(54) Title: DEVICE AND METHOD FOR TREATING HYDROCEPHALUS



(57) Abstract: A shunt system for use in a human body that is formed from a length of tube that is configured as a pump. The length of tube may be configured as a hydroimpedance pump, whose surfaces are pressed to pump fluid in the specified direction and way. The length of tube that forms the pump may be connected to shunt inlet and outlet parts, and may also include a valve that is adjustable to prevent back draining of fluid.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC: A61M 5/00(2006.01),37/00(2006.01)

USPC: 604/9,6.16

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)
U.S. : 604/7-10,6.16, 6.1,6.11,19,21

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)
EAST BRS: pump, hydrocephalus, valve, tube, actuator

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3,756,243 A (SCHULTE) 4 September 1973 (04.09.1973), columns 3-4.	1-9,13-15,17-22,25-32,36,37
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Y		10-12,16,23,24,33-35
Y	US 5,637,083 A (BERTRAND et al) 10 June 1997 (06.10.1997), entire document.	1-37
Y	US 4,240,434 A (NEWKIRK) 23 December 1980 (23.12.1980), entire document.	1-37
Y	US 6,624,625 B1 (RUBENSTEIN et al) 24 July 2001 (24.07.2001), entire document.	1-37

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

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Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
Facsimile No. (571) 273-3201

Authorized officer

For
Leslie R. Deak

Telephone No. 571-272-2975

Virginia Libby