



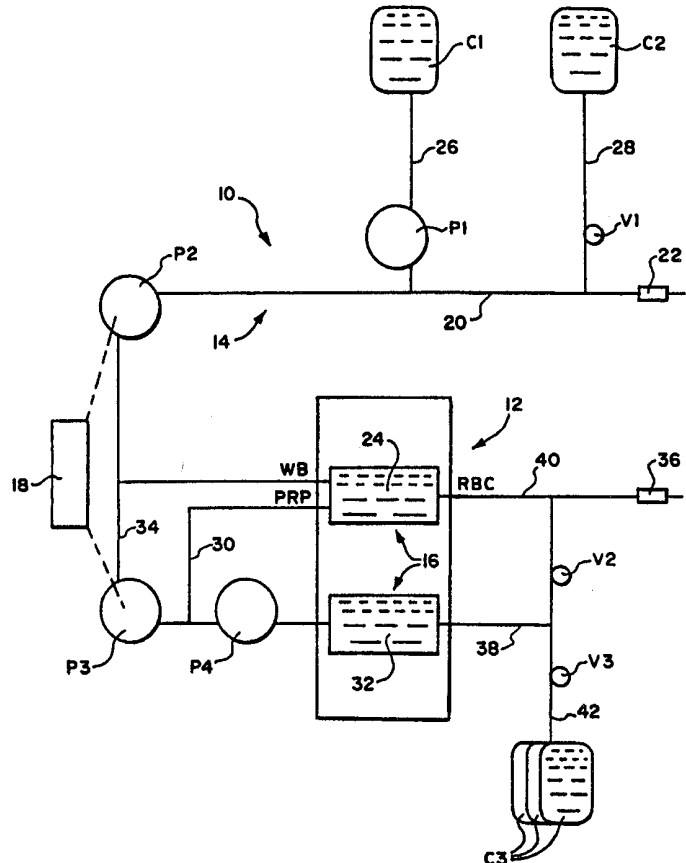
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(54) Title: SYSTEMS AND METHODS FOR STORING, RETRIEVING, AND MANIPULATING DATA IN MEDICAL PROCESSING DEVICES

(57) Abstract

A device has processing hardware to carry out a blood processing procedure. A processing control manager (18) resides on the device to monitor status conditions over time during the blood processing procedure. A data interface also resides on the device. The data interface includes a flash memory data storage medium (C1-C3) formatted to allocated discrete block file spaces to receive data. Chronologic data or time-specific data are created based upon sensed conditions by a data generator task, which also resides on the device. A file manager task appends chronologic block file, which, when read, provides a time-ordered account of processing activities or hardware conditions. The file manager also operates to block-write time-specific data to another allocated file space, which when read, creates a snap-shot of processing conditions at a given point in time. The data file structure created on the flash memory medium withstands corruption of data due to power failure (publish figure 1).



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INTERNATIONAL SEARCH REPORT

International application No.
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|---|--|---|
| <p>B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 128/680, 600/485, 606/202</p> | | |
| <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched</p> | | |
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| <p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> | | |
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| Y | US 5,697,376 A (NOMURA et al) 16 DECEMBER 1997, ALL | 1-47 |
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