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(54) Title: ACOUSTOPHORETIC SEPARATION OF LIPID PARTICLES FROM RED BLOOD CELLS

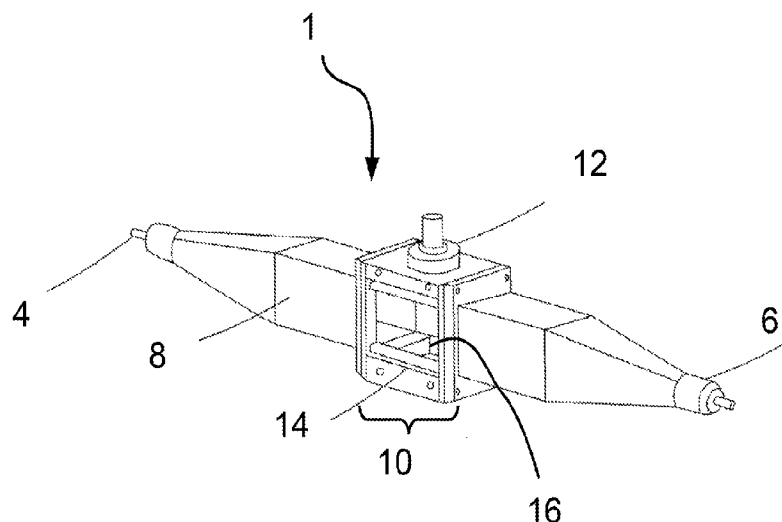


FIGURE 1

(57) Abstract: A system for removing lipids from blood during cardiopulmonary bypass surgery is disclosed. The system uses an acoustophoretic separator having improved trapping force. The transducer of the acoustophoretic separator includes a ceramic crystal. Blood flows through the separator, and lipids are trapped and removed.

