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(71) Applicant *(for all designated States except US)*: **NANYANG POLYTECHNIC** [SG/SG]; 180 Ang Mo Kio Avenue 8, Singapore 569830 (SG).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **TAN, Seng Sing** [SG/SG]; Block 27 Balam Road, #09-35, Singapore 370027 (SG). **LAM, Cheong Ming** [SG/SG]; Block 1P, #10-81 Pine Grove, Singapore 591401 (SG).

(74) Agent: **ALLEN & GLEDHILL LLP**; One Marina Boulevard #28-00, Singapore 018989 (SG).

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(54) Title: A BLOOD FLOW RATE MEASUREMENT SYSTEM

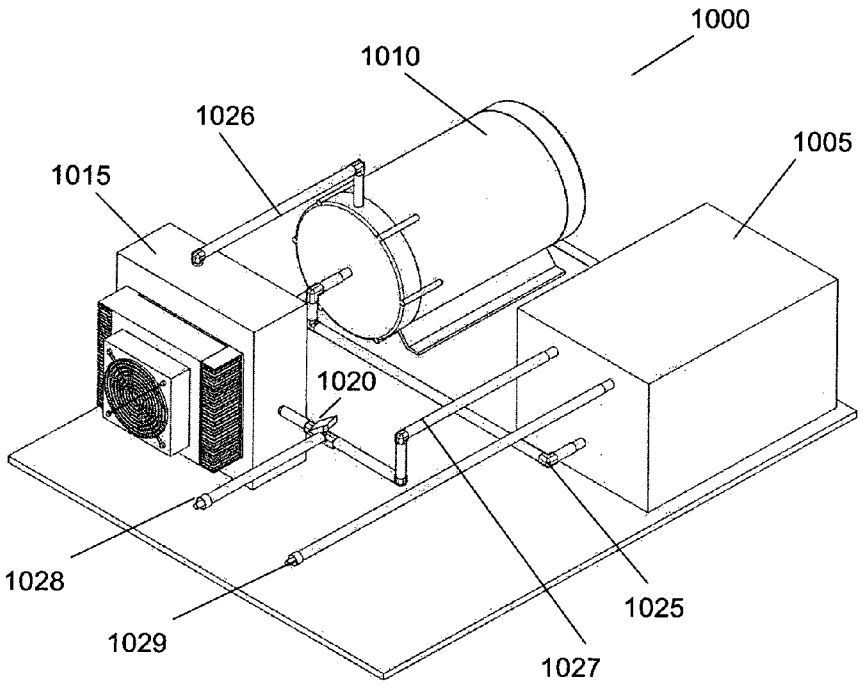


FIGURE 10

[Continued on next page]

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— *with amended claims (Art. 19(1))*

(57) Abstract: The present invention discloses a heat exchanging assembly with a body adaptable to a catheter for measuring blood flow rate with a supply system for providing the heat exchanging medium to the heat exchanging assembly at a constant temperature and constant flow rate. The heat exchanging assembly comprises a heat exchanging element, a plurality of temperature sensors, a sensor lumen and an inflation lumen.