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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]; Blk 27 Balam Road, #09-35, Singapore 370027
(SG). **NG, Chin, Tiong** [SG/SG]; Blk 248 Choa Chu
Kang Avenue 2, #14-486, Singapore 680248 (SG).

(74) Agent: **LAWRENCE Y D HO & ASSOCIATES PTE**
LTD; 30 Bideford Road, #02-02, Thongsia Building, Sin-
gapore 229922 (SG).

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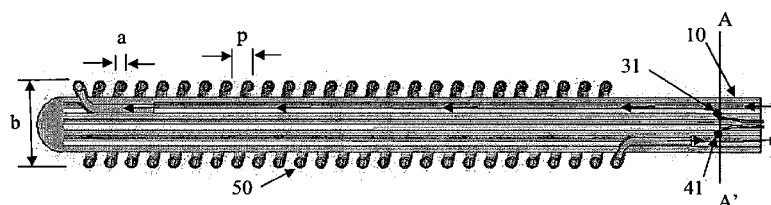


FIG 3

(57) Abstract: The present invention provides a heat-exchange assembly adaptable to a catheter for measuring blood flow rate or cardiac output, a catheter able to determine blood flow rate or cardiac output, and a process for determining blood flow rate or cardiac output.