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[—/US]; 6925 West 82nd Street, Bloomington, MN 55438 (US).

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(74) Agents: **THORSON, Bradley, J.** et al.; Patterson, Thunte, Skaar & Christensen, P.A., 4800 IDS Center, 80 South Eighth Street, Minneapolis, MN 55402-2100 (US).

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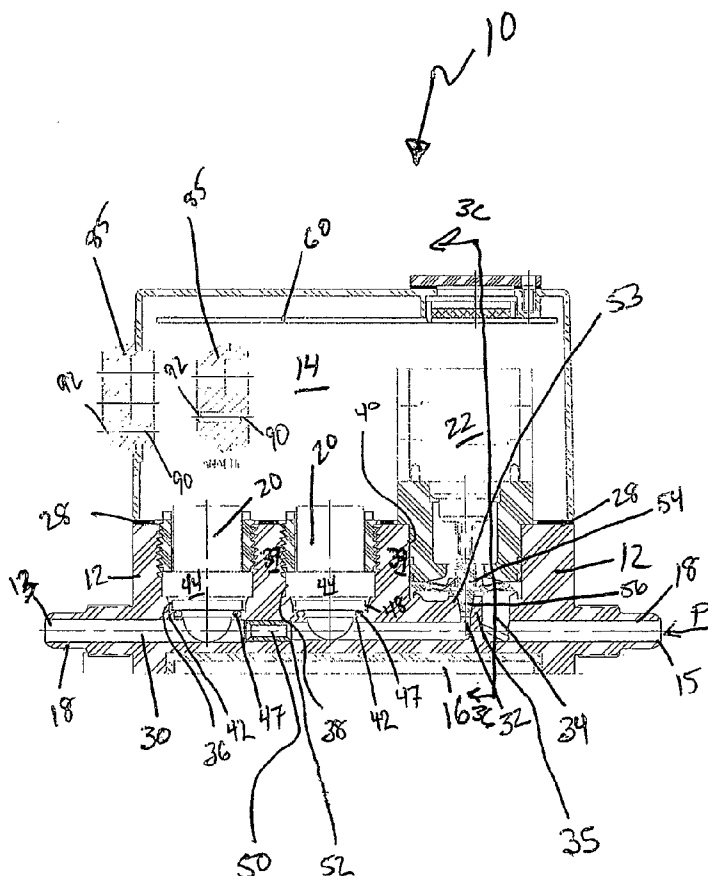
(72) Inventors; and

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(75) Inventors/Applicants (for US only): **CHINNOCK, Robert, T.** [US/US]; 8601 Woodstone Glen, Victoria, MN 55386 (US). **MEACHAM, Charles** [—/US]; P.O. Box 488, Circle Pines, MN 55014 (US). **MILLER, Clifford**

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(54) Title: CHEMICALLY INERT FLOW CONTROLLER WITH NON-CONTAMINATING BODY



(57) Abstract: A flow controller including a unitary controller body with a chemically inert fluid conduit having an insertable constriction or orifice disposed within the conduit having a reduced cross-sectional area to thereby restrict the flow of fluid within the conduit allowing for reliable flow measurement. An integrated circuit or controller may be coupled to the control valve and also coupled to the pressure sensors by a lead structure including signal conductors surrounded by a Faraday cage, and a chemically inert housing coupled to the unitary controller body enclosing the control valve and the pressure sensors.

WO 2007/008692 A3



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