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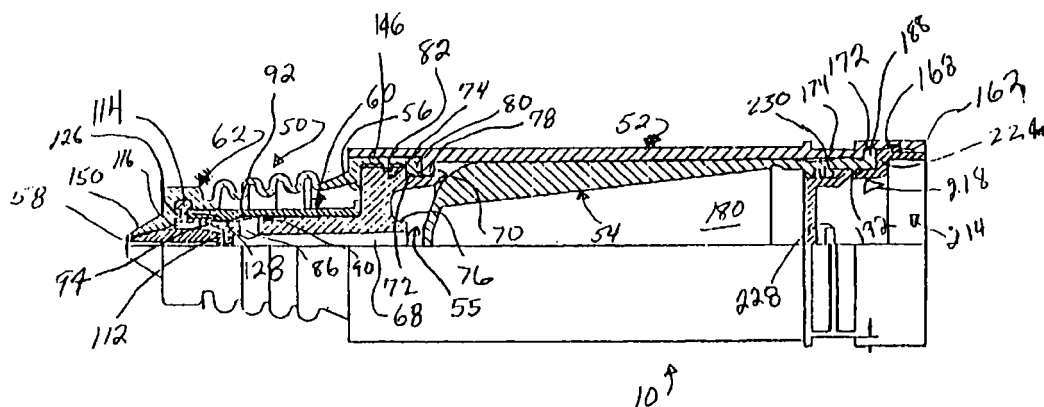
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- (71) Applicant (for all designated States except US): **PY PATENT, INC.** [US/US]; 419 West Avenue, Stamford, CT 06902 (US).
- (72) Inventors; and
(75) Inventors/Applicants (for US only): **PY, Daniel** [US/US]; 8 Normandy Road, Larchmont, NY 10538 (US). **TING, Joseph, M.** [US/US]; 236 Middlebrook Drive, Fairfield, CT 06430 (US).
- (74) Agents: **GIARRATANA, Mark, D.** et al.; Cummings & Lockwood, Granite Square, 700 State Street, P.O. Box 1960, New Haven, CT 06509-1960 (US).
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(54) Title: FLUID DISPENSER WITH BLADDER INSIDE RIGID VIAL.



(57) Abstract: A dispenser (10) for dispensing a fluid includes a rigid vial (52) that has a main fluid chamber (55) containing a fluid, and a pump assembly (50) that is in fluid communication with the main fluid chamber (55) and is configured to dispense a predetermined quantity of fluid from the main fluid chamber (55). A flexible bladder (54) is provided which is located within the main fluid chamber (55) and is configured to expand to fill the ullage created within the main fluid chamber (55) during dispensing of fluid by the pump assembly (50). The resilient bladder (54) tends to force itself outwardly toward the rigid vial (52) and, in turn, increases the pressure within the main fluid chamber (55) in comparison to the interior of the bladder (54) to thereby prevent the ingress of air or vapors through the bladder (54) or otherwise into the main fluid chamber (55).

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