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(71) Applicant (for all designated States except US): **SCIENTIFIC PLASTIC PRODUCTS, INC.** [US/US]; 1121 South Cleveland Street, Oceanside, California 92054 (US).

(72) Inventors; and

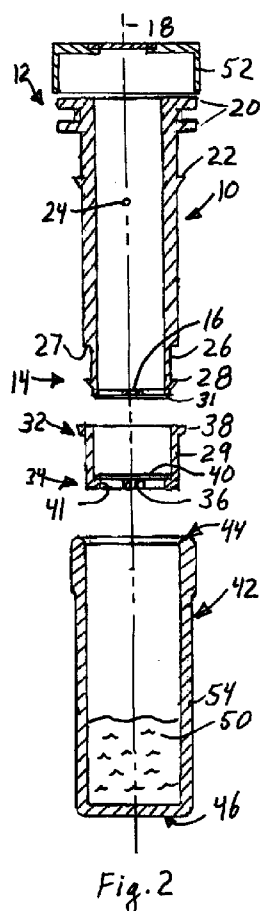
(75) Inventors/Applicants (for US only): **ELLIS, Samuel, A.** [US/US]; 1121 South Cleveland Street, Oceanside, California 92054 (US). **HINGORANI, Kishan, G.** [US/US]; 26 Silver Fur, Irvine, California 92604 (US).

(74) Agent: **STETINA BRUNDA GARRED & BRUCKER;** 75 Enterprise, Suite 250, Aliso Viejo, California 92656 (US).

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(54) Title: FILTER VIAL HAVING A TUBULAR PISTON A RETAINER CUP AND A FILTER



(57) Abstract: A filter vial and piston are provided where the vial has a cylindrical wall with a closed bottom and open top and with the hollow, tubular piston (10) therein. The piston has a distal end covered by a cup (30) having a proximal cup seal extending outward to engage the walls of the vial to form a fluid tight seal with the vial during use. The distal end of the piston has a pist flange extending outwardly and located adjacent a recess in the piston so th cup forms a snap fit over the piston flange and extends into the recess. The piston flange causes the cup to bulge sufficiently outward to form a fluid tight seal with the vial during use. A filter (16) is placed in the bottom o the cup and abuts an inwardly extending lip on the cup. The filter is held against the lip by a piston support at the distal end of the piston. A cup support at a distal end of the cup also helps support the filter.



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