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(21) International Application Number: PCT/US97/23831 (22) International Filing Date: 22 December 1997 (22.12.97) (30) Priority Data: 08/781,769 10 January 1997 (10.01.97) US (71) Applicant: THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US). (72) Inventor: CRICHTON, Jason, Michael; 8306-106 Meeting Street, West Chester, OH 45069 (US). (74) Agents: REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>

(54) Title: LAMINAR FLOW NOZZLE**(57) Abstract**

Disclosed is a fluid flow nozzle for dispensing fluids from a container filling machine, the nozzle being capable of transforming substantially turbulent fluid flow to substantially laminar fluid flow. The nozzle includes a hollow housing which attaches to the filling machine, and a fluid exit port for dispensing fluid into containers. A torpedo-like member is positioned within the housing so as to restrict fluid flow through the nozzle in such a way as to dampen turbulence out of the fluid in the nozzle. An actuator located within the torpedo-like member functions so as to open and close the fluid exit port.

