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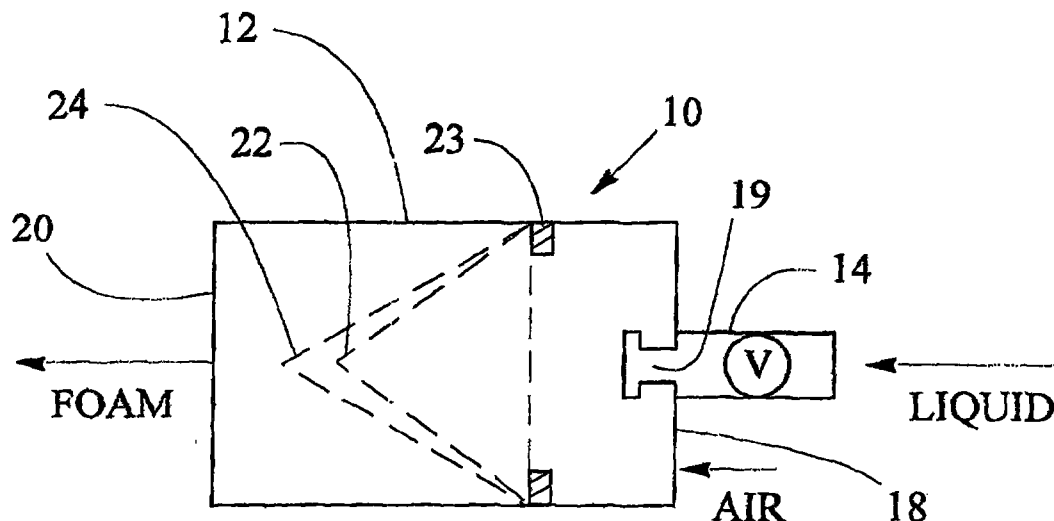


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(21) International Application Number: PCT/CA97/00912 (22) International Filing Date: 27 November 1997 (27.11.97) (30) Priority Data: 08/758,075 27 November 1996 (27.11.96) US (71) Applicant (for all designated States except US): HER MAJESTY THE QUEEN IN RIGHT OF CANADA as represented by THE SOLICITOR GENERAL acting through THE COMMISSIONER OF THE ROYAL CANADIAN MOUNTED POLICE 1200 Vanier Parkway [CA/CA]; Ottawa, Ontario K1A 0R2 (CA). (72) Inventors; and (75) Inventors/Applicants (for US only): BUREAUX, John, G. [CA/CA]; 594 Pocono Crescent, Orleans, Ontario K4A 3J6 (CA). COWAN, George [CA/CA]; R.R. #1, Burnstown, Ontario K0J 1G0 (CA). (74) Agent: ANDERSON, J., Wayne; National Research Council of Canada, Intellectual Property Services Office, EG-12, Building M-58, Montreal Road, Ottawa, Ontario K1A 0R6 (CA).			(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, 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, US, UZ, VN, YU, ZW, ARIPO patent (GH, 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 With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: AIR ASPIRATING FOAM NOZZLE



(57) Abstract

A foam generating nozzle (10) is disclosed comprising a cylindrical housing (12), a first inlet (14) at one end of the housing (12) for connection to a supply of foamable liquid under pressure, a second inlet (16) at the first end for air supply, a foam discharge outlet (20) at the other end of the housing (12), a diffuser (19) associated with the first inlet (14) and a conical screen (22) of a non-corrosive material disposed in said housing (12) between the ends with its apex directed toward the discharge outlet (20), to provide a screen surface area larger than the inlet air supply area, such that in operation the foamable liquid is sprayed onto the screen (22) by the diffuser (19) in a pattern which matches the conical shape of the screen (22), while air is dragged through the screen (22) thereby generating the foam.