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(21) International Application Number: PCT/US99/19898 (22) International Filing Date: 31 August 1999 (31.08.99) (30) Priority Data: PCT/US99/04614 2 March 1999 (02.03.99) US (71) Applicant (for all designated States except US): U.S. FILTER/ENVIROQUIP [US/US]; 8506 Beechmont Avenue, Cincinnati, OH 45255 (US). (72) Inventor; and (75) Inventor/Applicant (for US only): DOWNES, Ernest, W. [US/US]; 1990 Wolfangel Road, Cincinnati, OH 45255 (US). (74) Agents: SMITH, David, B. et al.; Michael, Best & Friedrich LLP, 100 East Wisconsin Avenue, Milwaukee, WI 53202-4108 (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, GD, GE, GH, GM, HR, HU, ID, IL, IN, 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, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: DIFFUSER ASSEMBLY (57) Abstract The diffuser assembly (10) of the present invention includes a first and second diffuser bodies (23, 24) in fluid communication with an air distribution pipe (14). The diffuser assembly (10) further includes a saddle (16) that supports the first diffuser body (23) and the second diffuser body (24). The saddle (16) is connected to the distribution pipe (14) by a hollow core rivet (90). Fluid is forced from the distribution pipe (14) through the hollow core rivet (90) where the fluid passes into the first and second diffuser bodies (23, 24). The fluid exits the first diffuser body (23) through a first diffusion media (35) and exits the second diffuser body (24) through a second diffusion media (36). The first and second diffusion media (35, 36) form the air into fine bubbles that serve to facilitate aeration of the fluid.		