



- (51) **International Patent Classification:**
E03F 5/10 (2006.01) *F16L 55/07* (2006.01)
F16L 43/00 (2006.01)
- (21) **International Application Number:**
PCT/CA2015/050061
- (22) **International Filing Date:**
29 January 2015 (29.01.2015)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/933,506 30 January 2014 (30.01.2014) US
- (71) **Applicant:** **CLEARFORD INDUSTRIES INC.**
[CA/CA]; 515 Legget Drive, Suite 100, Ottawa, Ontario
K2K 3G4 (CA).
- (72) **Inventors:** **BAILEY, Kevin**; 314 Athlone Avenue, Ott-
awa, Ontario K1Z 5M4 (CA). **BAILEY, Matthew**; 2675
Henley Street, Ottawa, Ontario K2B 7R6 (CA).
- (74) **Agent:** **MBM INTELLECTUAL PROPERTY LAW
LLP**; 275 Slater Street, 14th Floor, Ottawa, Ontario K1P
5H9 (CA).

- (81) **Designated States** (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
- (84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

- (54) **Title:** A HYDRAULIC MIXER INLET FOR A SEPTIC OR INTERCEPTOR TANK

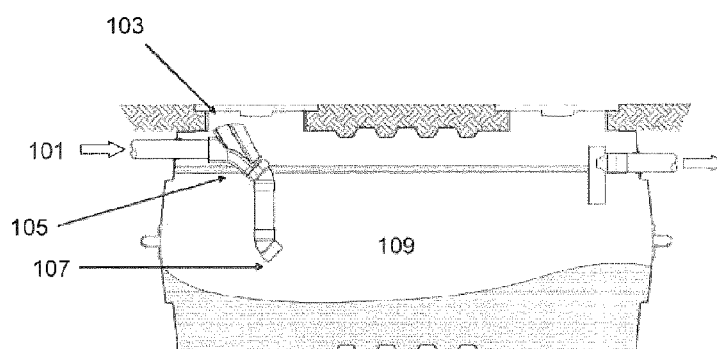


FIGURE 1B

(57) **Abstract:** The present invention provides a hydraulic mixer inlet for a septic or interceptor tank. The hydraulic mixer has an inlet for receiving organic containing liquid such as sewage from a source disposed in a first plane; and an outlet disposed in a second plane, the outlet fluidly communicating with the inlet by way of a pipe, the pipe having an upper surface and a vented orifice located on the upper surface; wherein an angle is disposed between the first plane and the second plane allowing for flow deflection resulting in increased mixing.

