

(51) International Patent Classification:
C02F 3/00 (2006.01) *C02F 1/52* (2006.01)(21) International Application Number:
PCT/US2010/002443(22) International Filing Date:
7 September 2010 (07.09.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
12/584,545 8 September 2009 (08.09.2009) US(71) Applicant (for all designated States except US): **CAMBRIDGE WATER TECHNOLOGY, INC.** [US/US];
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(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, 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, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, 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, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

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

(54) Title: SYSTEM AND METHOD FOR ENHANCING A WASTEWATER TREATMENT PROCESS

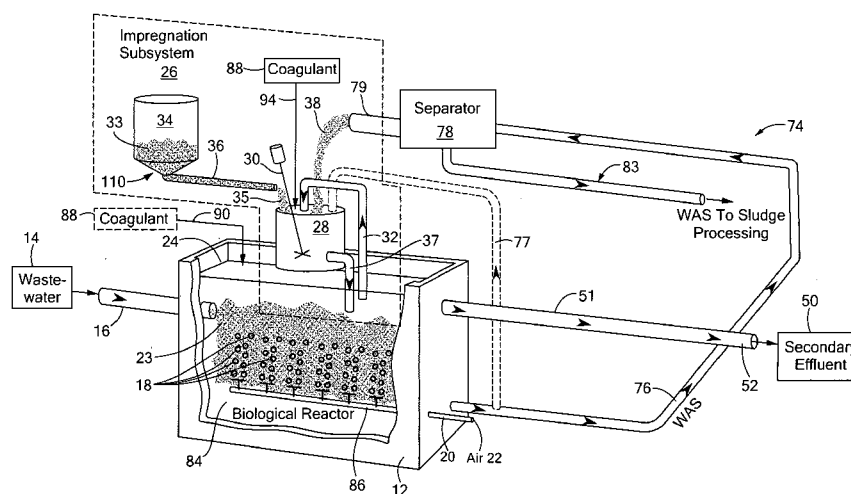


FIG. 1

(57) Abstract: A system for enhancing an activated sludge process including at least one biological reactor. A weighting agent impregnation subsystem is coupled to the biological reactor for mixing biological floes and weighting agent to impregnate the weighting agent into the biological floes to form weighted biological floes. A weighting agent recovery subsystem is configured to recover the weighting agent from the weighted biological floes and reintroducing the recovered weighting agent to the weighting agent impregnation subsystem.