



(51) International Patent Classification:
B01J 19/12 (2006.01) **C02F 1/48** (2006.01)

(21) International Application Number:
PCT/GB2011/052106

(22) International Filing Date:
28 October 2011 (28.10.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
1018236.8 28 October 2010 (28.10.2010) GB

(71) Applicant (for all designated States except US): **HY-DROPATH HOLDINGS LIMITED** [GB/GB]; 2nd Floor, Manfield House, 1 Southampton Street, London, Greater London WC2R 0LR (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **STEFANINI, Daniel** [GB/GB]; Unit F, Acom Park Industrial Estate, Redfield Road, Nottingham, Nottinghamshire NG7 2TR (GB).

(74) Agent: **FORRESTERS**; Chamberlain House, Paradise Place, Birmingham, West Midlands B3 3HP (GB).

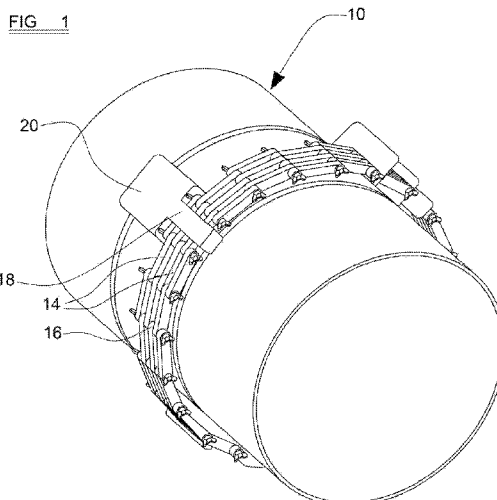
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, 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, QA, RO, RS, RU, RW, 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, 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, RS, 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: METHOD AND APPARATUS FOR TREATING FLUID IN A CONDUIT WITH RADIO - FREQUENCIES



(57) Abstract: Apparatus for treating a fluid in a conduit by the application thereto of radio- frequency electro-magnetic signals, comprising a core element of magnetically-permeable material extending around the conduit, and one or more primary coils through which the core element extends and energised with radio frequency electrical signals by at least one signal generator; wherein the or at least one of the primary coils has an extent and/or disposition circumferentially of the core element and conduit such as to establish an effective magnetic field throughout the core element.

