



(51) International Patent Classification:

A61N 5/02 (2006.01) *A61B 18/18* (2006.01)
A61N 5/04 (2006.01) *A61B 18/00* (2006.01)
A61N 1/40 (2006.01)

(21) International Application Number:

PCT/IB2014/058701

(22) International Filing Date:

31 January 2014 (31.01.2014)

(25) Filing Language:

Italian

(26) Publication Language:

English

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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, 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, LT, 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, 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: APPARATUS AND METHOD FOR REPAIRING AND REGENERATING CARDIAC TISSUES AND FOR THE ELECTRO-PHYSIOLOGICAL, METABOLIC OPTIMIZATION OF THE HEART

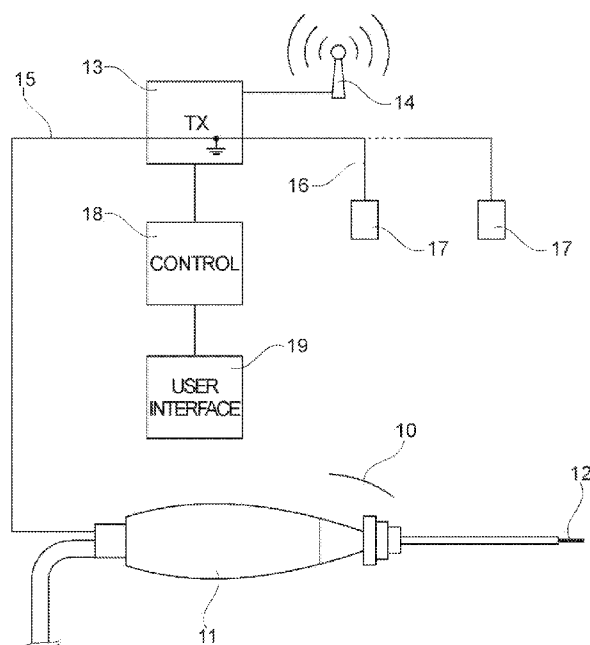


Fig. 1

(57) Abstract: An apparatus comprising a catheter (10), associated with a radiofrequency radio-electric signal generator, adapted to convey said radio-electric signal to the cardiac surfaces in order to repair, regenerate and normalize the electro-physiological, metabolic activities of the heart. The generator comprises a transmitter (13) adapted to produce a radiofrequency electromagnetic field, an antenna (14) to emit said radiofrequency electromagnetic field, a control module (18) and a user interface (19). A conductor (15) connects at one end to the reference ground of the transmitter circuitry and at the other end to the electrode (12).