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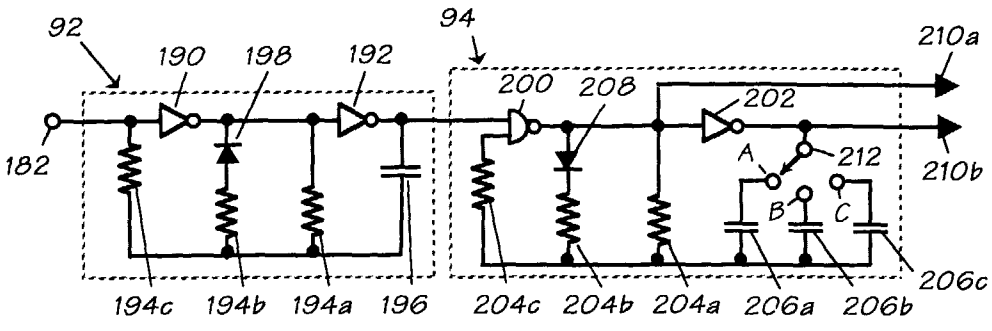
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(54) Title: APPARATUS AND METHOD FOR BIOELECTRIC STIMULATION, HEALING ACCELERATION AND PAIN RELIEF



(57) Abstract: An apparatus and method for generating an electrical signal for use in biomedical applications, including two timing blocks for generating timing intervals T_1- T_7, an interconnection block for combining these intervals into an output signal having predetermined relationships among the intervals, an output block for transmitting the output signal to a load, and, optionally, a filter for removing unwanted frequency components from the output signal and an adjustment block for selecting from among a plurality of output signals with predetermined characteristics. The output is a repeating succession of a burst of rectangular waves, an equalizing pulse (if needed) to cancel net DC bias in applications for which it is not desired, and a rest period of no signal. In applications where net DC bias is desired, the equalizing pulse may be omitted and the remaining signal features superimposed on a DC potential.

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— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, 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, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)*

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