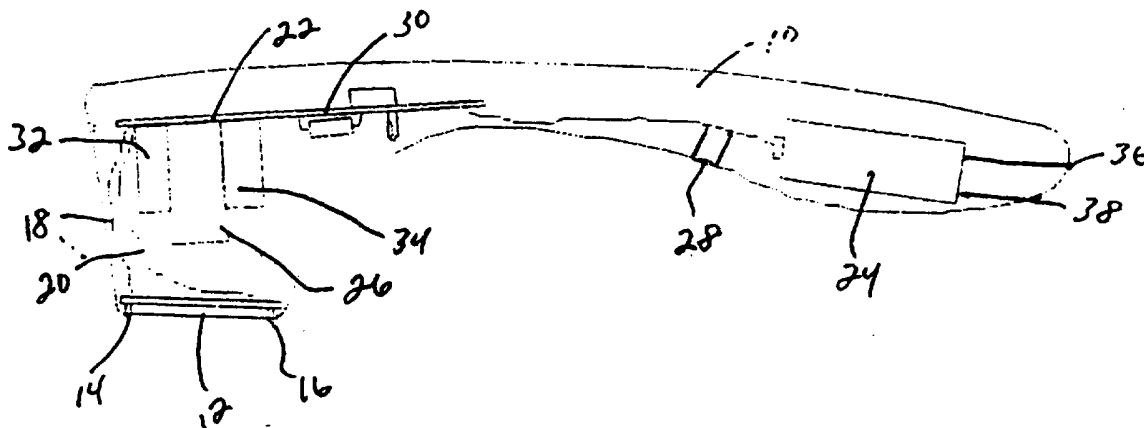




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : A61N 1/32, 1/34	A3	(11) International Publication Number: WO 97/36645 (43) International Publication Date: 9 October 1997 (09.10.97)
(21) International Application Number: PCT/IB97/00624 (22) International Filing Date: 14 March 1997 (14.03.97) (30) Priority Data: 08/618,264 18 March 1996 (18.03.96) US (71) Applicant: 688726 ALBERTA, LTD. [CA/CA]; 9703 174th Street #22, Edmonton, Alberta T5T 6C5 (CA). (72) Inventors: SOBOTA, John; 9921 80th Street, Ft. Saskatchewan, Alberta T8L 3H9 (CA). ZAGROSH, Gerald; 9703 174th Street #22, Edmonton, Alberta T5T 6C5 (CA). JAMALDIN, Muhamed; 302 2916 195th Avenue, Edmonton, Alberta T6J 4J4 (CA).		(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, UG, UZ, VN, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 20 November 1997 (20.11.97)
(54) Title: ELECTROTHERAPY DEVICE  (57) Abstract Apparatus for applying electrical current to biological tissue such as skin, bone or muscle. A portable housing (10) can be powered with a battery (24) or attached cord leading to an alternating current or direct current power supply. An amplifier (26) generates a high voltage direct current, and a controller (22) generates a high quality square waveform, output to an electrode assembly (12) in electrical contact with the biological tissue. The electrode assembly comprises at least one negative electrode (16) and at least one positive electrode (14). The electrode assembly is movable relative to the biological tissue so that the current path is continually changing, and comprises a plurality of negative and positive electrodes to create multiple current paths. The controller can selectively modify output signal functions such as the amplitude, pulse rate, pulse sweep, frequency, and frequency sweep rate to provide different electrical currents to the biological tissue.		

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 97/00624

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 A61N1/32 A61N1/34

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 6 A61N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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A	see page 2, line 20 - page 6, line 30; figures	15-17 8,10
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Date of the actual completion of the international search

19 September 1997

Date of mailing of the international search report

10.10.97

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INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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