

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
25 April 2002 (25.04.2002)

PCT

(10) International Publication Number
WO 02/033798 A1

(51) International Patent Classification⁷: **H02H 9/00**

(21) International Application Number: PCT/US01/32480

(22) International Filing Date: 17 October 2001 (17.10.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/241,128 17 October 2000 (17.10.2000) US

(71) Applicant (for all designated States except US): **X2Y AT-TENUATORS, LLC** [US/US]; 1812 Navy Street, Santa Monica, CA 90405 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **WILLIAM, Anthony, W.** [US/US]; 2642 West 35th Street, Erie, PA 16506 (US).

(74) Agents: **CLARK, Robert, J.** et al.; Hahn, Loeser & Parks, LLP, 1225 West Market Street, Akron, OH 44313-7188 (US).

(81) Designated States (*national*): 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, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

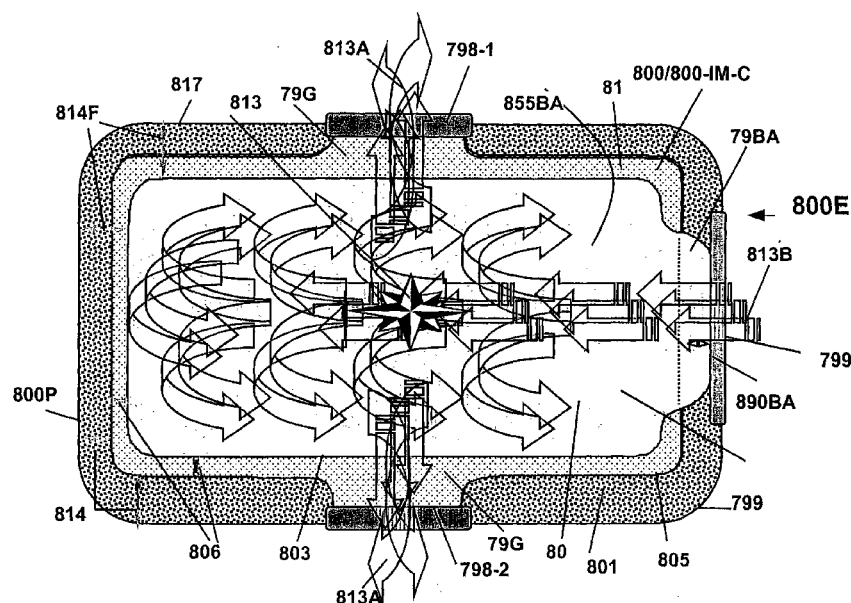
- with international search report
- with amended claims and statement

Date of publication of the amended claims and statement:

11 July 2002

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **AMALGAM OF SHIELDING AND SHIELDED ENERGY PATHWAYS AND OTHER ELEMENTS FOR SINGLE OR MULTIPLE CIRCUITRIES WITH COMMON REFERENCE NODE**



(57) Abstract: A predetermined single electrode shielding set (800e) for groupings of complementary electrodes that are operable to shield and that together are selectively formed or amalgamated into a predetermined sequential combination of commonly configured energy pathways operable for shielding various paired complementary electrodes (855) and other predetermined elements that result in an electrode architecture practicable to provide multiple energy conditioning functions.