

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
31 January 2002 (31.01.2002)

PCT

(10) International Publication Number  
WO 02/09259 A1

(51) International Patent Classification<sup>7</sup>: H02K 9/10,  
21/22, 1/16, 47/00, H02N 1/04, H05H 1/18

CZ, DE, DK, DM, DZ, 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, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,  
TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(21) International Application Number: PCT/US01/22196

(22) International Filing Date: 11 July 2001 (11.07.2001)

(25) Filing Language: English

(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, GW, ML, MR, NE, SN, TD, TG).

(26) Publication Language: English

(30) Priority Data:  
09/621,152 21 July 2000 (21.07.2000) US

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Declaration under Rule 4.17:  
— of inventorship (Rule 4.17(iv)) for US only

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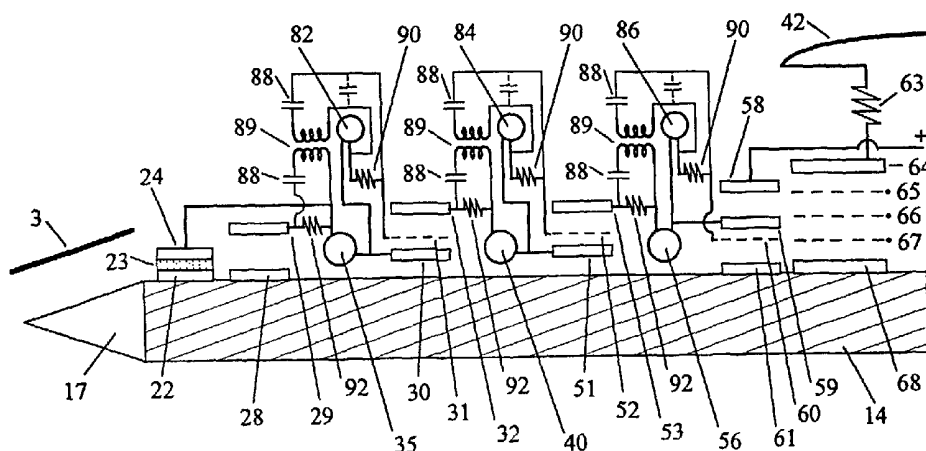
Published:  
— with international search report

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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.

(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

(54) Title: ELECTRODYNAMIC FIELD GENERATOR



(57) Abstract: This device is a brushless high-voltage electrical generator for producing a high energy external electrodynamic field or continuous quasi-coherent DC corona or arc discharge of uniformed current density which completely encloses the machine's conductive housing (1). This housing is divided into distinct electrical sections (3-5) and contains a flat conductive rotor (6) electrically links separate negative (3) and positive (5) housing sections and upon which a plurality of toroidal generating coils (35, 40, 56) are rotatably mounted. Circular arrays of stationary permanent magnets (34, 39, 55) are affixed within the housing which induce a constant DC voltage within said coils upon their rotation. The primary voltage generated is electrostatically impressed across the rotor such that great quantities of electronic charge may be transported between the opposite polarity sections (3-5) of the housing, in such a manner that a much higher secondary voltage is caused to appear across interposed neutral sections thereof, and the resulting external breakdown current once initiated is independent of the generating coils' ampacity. Ancillary mechanical, electrical, and/or electronic features may be attached upon or within the housing to aid in harnessing and controlling the useful effects associated with the external dynamic electric field produced by the device.

WO 02/09259 A1