

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
30 August 2007 (30.08.2007)

PCT

(10) International Publication Number
WO 2007/098341 A3

(51) International Patent Classification:
H01G 7/02 (2006.01) **G01R 31/02** (2006.01)

(21) International Application Number:
PCT/US2007/062114

(22) International Filing Date:
14 February 2007 (14.02.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/358,264 21 February 2006 (21.02.2006) US

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(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the international search report:
7 August 2008

(54) Title: ENERGY COLLECTION

(57) Abstract: An energy collection system may collect and use the energy generated by an electric field. Collection fibers are suspended from a support wire system supported by poles. The support wire system is electrically connected to a load by a connecting wire. The collection fibers may be made of any conducting material, but carbon and graphite are preferred. Diodes may be used to restrict the backflow or loss of energy.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 07/62114

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - H01 T23/00 (2006.01)

USPC - 361/231

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)

USPC - 361/231

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC - 361/233; 324/72 (search terms below)

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

PubWEST (USPT, PGPB, EPAB, JPAB); DialogPRO (Engineering); Google Scholar

Search term: collection energy, support structure, diode, fiber, load, wiring, wire

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,047,892 A (SAKATA et al.) 10 September 1991 (10.09.1991), entire document	1, 3, 9, 11, and 32
Y		2,4-8,10, and 12-31
Y	US 6,735,830 B1 (MERCIEL) 18 May 2004 (18.05.2004), fig 5, fig 8, col 9 ln 31-39	2, 4, 7-8, 10, 12-16, 31
Y	US 2003/0107869 A1 (PAN et al.) 12 June 2003 (12.06.2003), fig 2	5-6 and 21-24
Y	US 4,104,696 A (COCHRAN, Jr) 01 August 1978 (01.08.1978), fig 1, fig 4	17-20
Y	US 2004/0160711 A1 (STUMBERGER) 19 August 2004 (19.08.2004) fig 1	25
Y	US 2004/0212945 A1 (SPRENGER et al.) 28 October 2004 (28.10.2004), para [0005], [0006], [0045]	26-31
A	US 6,974,110 B2 (GRANDICS) 13 December 2005 (13.12.2005), entire document	1-31

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Further documents are listed in the continuation of Box C.

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"A" document defining the general state of the art which is not considered to be of particular relevance

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Date of the actual completion of the international search

12 September 2007 (12.09.2007)

Date of mailing of the international search report

21 MAR 2008

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450

Facsimile No. 571-273-3201

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PCT OSP: 571-272-7774