

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
19 July 2007 (19.07.2007)

PCT

(10) International Publication Number
WO 2007/081971 A3

(51) International Patent Classification:
H04L 27/04 (2006.01)

(21) International Application Number:
PCT/US2007/000568

(22) International Filing Date: 10 January 2007 (10.01.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/758,018 11 January 2006 (11.01.2006) US

(71) Applicant (for all designated States except US): **POWER-CAST CORPORATION** [US/US]; 114 North Saint Clair Street, P.O. Box 601, Ligonier, PA 15658 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GREENE, Charles, E.** [US/US]; 10115 Frankstown Road, Pittsburgh, PA 15235 (US). **SHEARER, John, G.** [US/US]; 22 Cavern Road, Ligonier, PA 15658 (US). **HARRIST, Daniel, W.** [US/US]; 400 Branch Street, Carnegie, PA 15106 (US).

(74) Agent: **COOLEY GODWARD KRONISH LLP**; Attn: Patent Group, 777 6th Street, NW, Suite 1100, Washington, DC 20001 (US).

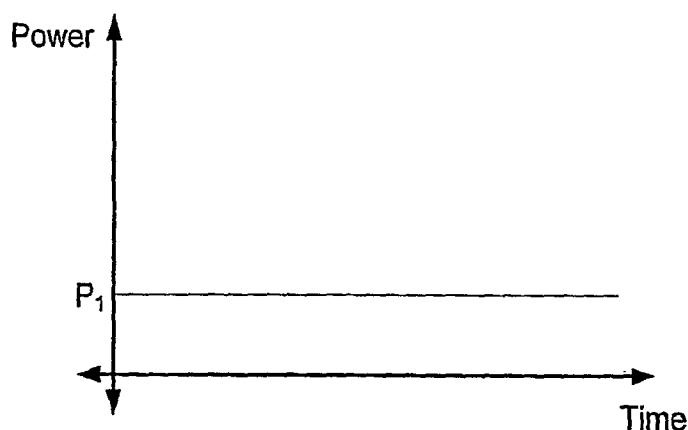
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, 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:
12 June 2008

(54) Title: PULSE TRANSMISSION METHOD



(57) Abstract: Disclosed is a transmitter for transmitting power wirelessly to a receiver to power a load comprises a pulse generator for producing pulses of power. The transmitter comprises a power sensor which can sense when other transmitters are transmitting in order for the generator to transmit the pulses at the appropriate time. Disclosed is a power sensor for a pulse generator of a transmitter which can sense when other transmitters are transmitting in order for the generator to transmit the pulses at the appropriate time. Disclosed is a system for power transmission. Disclosed is a method for transmitting power to a receiver to power a load. Disclosed is an apparatus for transmitting power to a receiver to power a load. Disclosed is a system for power transmission.

WO 2007/081971 A3