

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
25 October 2007 (25.10.2007)

PCT

(10) International Publication Number
WO 2007/120597 A3

(51) International Patent Classification:
H04L 29/08 (2006.01) **G01D 4/00** (2006.01)

(21) International Application Number:
PCT/US2007/008714

(22) International Filing Date: 9 April 2007 (09.04.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/400,868 10 April 2006 (10.04.2006) US

(71) Applicant (for all designated States except US): **SQUARE D COMPANY** [US/US]; 1415 S. Roselle Road, Palatine, Illinois 60067 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KENNEDY, Robert, A.** [US/US]; 2237 Oak Leigh Drive, Murfreesboro, Tennessee 37129 (US). **PYLE, Michael, W.** [US/US]; 316 Southwinds Drive, Heritage, Tennessee 37076 (US). **DOLAN, Randi, Sue** [US/US]; 5114 Chippendale Drive, Murfreesboro, Tennessee 37129 (US).

(74) Agent: **RUDISILL, Stephen, G.**; Nixon Peabody LLC, 161 N. Clark Street, 48th Floor, Chicago, IL 60601-3213 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, 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, 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, MT, 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).

Declaration under Rule 4.17:

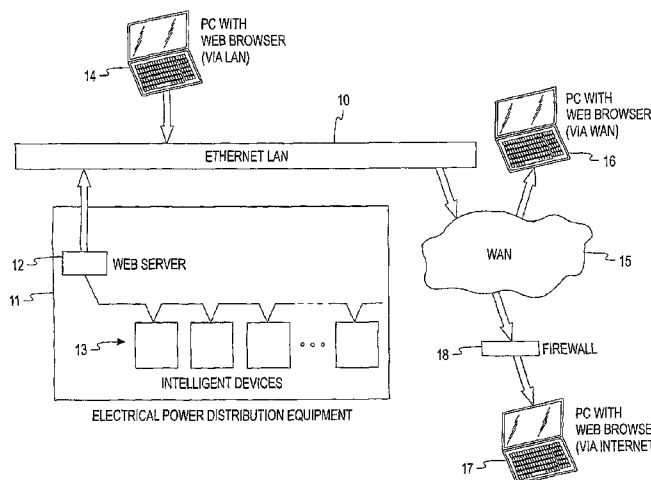
— as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

— with international search report

[Continued on next page]

(54) Title: NETWORK-ENABLED ELECTRICAL POWER EQUIPMENT WITH INTEGRATED CONTENT MANAGEMENT SYSTEM



(57) Abstract: Network-enabled electrical power distribution equipment includes one or more networked intelligent devices (13) coupled to a power distribution system (11) and measuring and storing at least one sensed condition in the power distribution system; a server (12) in the power equipment for storing a document that can be accessed by browsers (14,16,17) and that contains data relating to the sensed condition; a content management system in the power equipment for maintaining a document that can be accessed by browsers (14,16,17) and that contains a log of information relating to the power equipment; and a user interface for accessing the document containing the log of information and editing the information contained in the log. The log of information relating to the power equipment may be a web log or a wiki. The content management system can be included in a web server (12) in the power equipment, the user interface can include a web browser, and the network can include a LAN (10), a private WAN (15) and/or a public WAN such as the Internet.

WO 2007/120597 A3



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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.

(88) Date of publication of the international search report:

13 December 2007

INTERNATIONAL SEARCH REPORT

 International application No
 PCT/US2007/008714

 A. CLASSIFICATION OF SUBJECT MATTER
 INV. H04L29/08 G01D4/00

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)
 H04L G01D

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)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/225648 A1 (RANSOM DOUGLAS STEPHEN [CA] ET AL FORTH J BRADFORD [CA] ET AL) 11 November 2004 (2004-11-11) paragraphs [0044] - [0055], [0104], [0112]	1-13
X	US 2002/163447 A1 (RUNYON EDWIN K [US] ET AL) 7 November 2002 (2002-11-07) paragraphs [0021] - [0029], [0037]	1-13
A	WO 2005/053268 A (SQUARE D CO [US]; DAHLMAN ROGER A [US]; PYLE MICHAEL W [US]) 9 June 2005 (2005-06-09) page 7, lines 24-31	1-13
A	US 2003/084112 A1 (CURRAY TIMOTHY G [US] ET AL) 1 May 2003 (2003-05-01) paragraphs [0014] - [0017], [0085]	1-13
	-/--	

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

15 October 2007

Date of mailing of the international search report

22/10/2007

Name and mailing address of the ISA/

 European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Dupuis, Hervé

INTERNATIONAL SEARCH REPORT

International application No

PCT/US2007/008714

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 418 768 A (SQUARE D CO [US]) 12 May 2004 (2004-05-12) the whole document -----	1-13
A	WO 02/058030 A (SQUARE D CO [US]) 25 July 2002 (2002-07-25) the whole document -----	1-13

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2007/008714

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2004225648	A1	11-11-2004	NONE	
US 2002163447	A1	07-11-2002	NONE	
WO 2005053268	A	09-06-2005	CA 2549130 A1	09-06-2005
			CN 1906912 A	31-01-2007
			EP 1695515 A2	30-08-2006
			KR 20060113952 A	03-11-2006
			US 2005114509 A1	26-05-2005
US 2003084112	A1	01-05-2003	NONE	
EP 1418768	A	12-05-2004	NONE	
WO 02058030	A	25-07-2002	BR 0203894 A	03-06-2003
			CA 2402996 A1	25-07-2002
			EP 1352216 A2	15-10-2003
			MX PA02009264 A	12-03-2003
			US 2002126157 A1	12-09-2002