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(71) Applicant (for all designated States except US): **INTERNATIONAL POWER SWITCH** [DK/DK]; Duevej 94a, DK-2000 Frederiksberg (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **UZUNOVIC,**

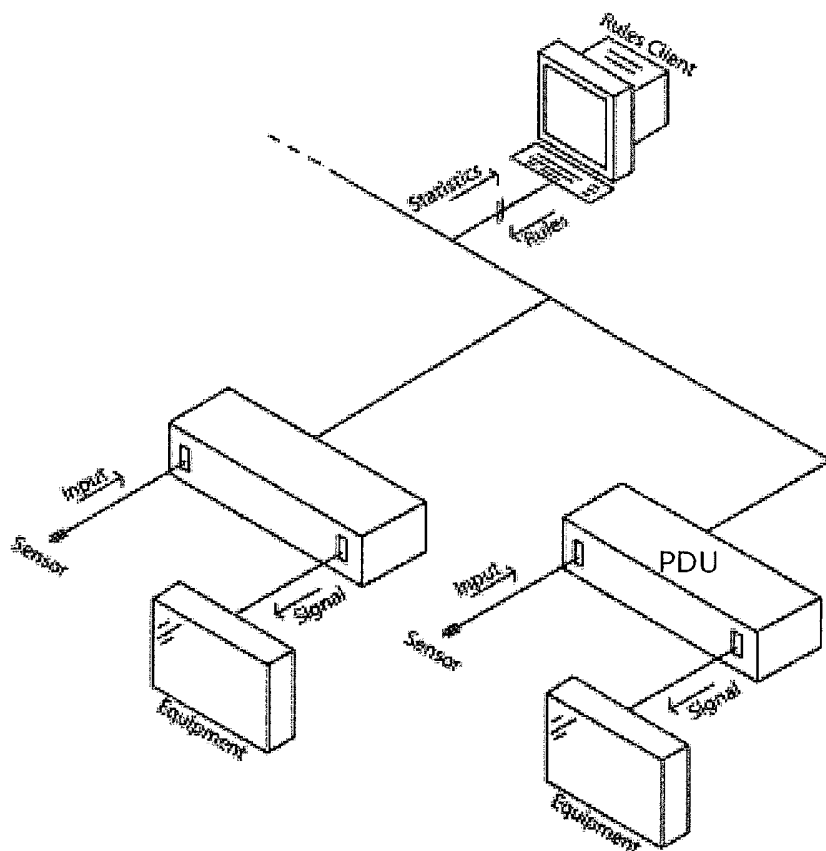
Nikola [US/DK]; Ahornsgade 6C, 1th, DK-2200 Copenhagen N (US). **JOHANSSON, Martin** [DK/DK]; Duevej 94A, DK-2000 Frederiksberg (DK). **DAMGAARD, Erik** [DK/DK]; A.N. Hansens Allé 38, DK-2900 Hellerup (DK). **RISAGER, Morten** [DK/DK]; Ørnebjergvej 18, DK-2600 Glostrup (DK).

(74) Agent: **PLOUGMANN & VINGTOFT A/S**; Sundkrogs-gade 9, DK-2100 Copenhagen Ø (DK).

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[Continued on next page]

(54) Title: POWER SWITCH



(57) Abstract: The present invention relates to a power switch, data system, interface and a data structure for controlling power outlets on one or more power switches. Each power switch comprises a sensor bus and watt meters in order to be able to monitor power consumption and environmental changes. Furthermore the power switches comprises a memory and a processor in order to be able to automatically control the power outlets without interference from a user terminal.

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INTERNATIONAL SEARCH REPORT

Intern: application No
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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F1/26

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)

IPC 7 G06F H02J H04L

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, PAJ, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/126253 A1 (EWING CARREL W ET AL) 3 July 2003 (2003-07-03) figure 1 figure 2A figure 5 figures 7,8 paragraph '0010! - paragraph '0013! paragraph '0028! - paragraph '0029! paragraph '0042! - paragraph '0046! paragraph '0060! paragraph '0065! - paragraph '0068! paragraph '0073! paragraph '0081! - paragraph '0089! paragraph '0096! - paragraph '0099! paragraph '0105! - paragraph '0111! paragraph '0113! - paragraph '0122! paragraph '0128! - paragraph '0132!	1-3, 5-8, 31-33
A	----- -/--	17-23

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

☒ Patent family members are listed in annex.

° Special categories of cited documents :

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

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"&" document member of the same patent family

Date of the actual completion of the international search

12 September 2005

Date of mailing of the international search report

13. 10. 2005

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

Piriou, Y.N.

INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 534 734 A (PUGH ET AL) 9 July 1996 (1996-07-09) figure 1B figure 2 column 1, line 57 - column 2, line 30 column 2, line 60 - column 3, line 32 column 4, line 63 - column 5, line 17 -----	1-3,5-8
A	SPECTRUM CONTROL INC.: "AC POWER DISTRIBUTION UNIT" 'Online! 2002, XP002324699 Retrieved from the Internet: URL:http://web.archive.org/web/20030326083 254/http://www.specpower.com/pdfs/acsmart. pdf> 'retrieved on 2005-04-14! the whole document -----	1-3,5-7
X	"Ping" INTERNET DOCUMENT, 'Online! 27 September 2002 (2002-09-27), XP002343583 Retrieved from the Internet: URL:http://www.linuxmanpages.com/man8/ping .8.php> 'retrieved on 2005-09-06! command "ping -b" -----	15,16
A	-----	17,22,23
X	WO 03/071742 A (CANON KABUSHIKI KAISHA; NAKAZAWA, TOSHIYUKI) 28 August 2003 (2003-08-28) page 7, line 23 - page 8, line 8 page 16, line 4 - page 18, line 4 page 19, line 1 - page 25, line 5 page 25, line 17 - page 29, line 12 page 30, line 9 - page 33, line 4 figures 5,10,11,14,15 -----	15-23
X	EP 0 809 383 A (SUN MICROSYSTEMS, INC) 26 November 1997 (1997-11-26) page 2, lines 40-44 page 3, lines 15-26 page 4, columns 41-45 page 5, columns 11-17 page 6, lines 46-48 figures 1,3,4 ----- -/--	15,16

INTERNATIONAL SEARCH REPORT

Inter

Application No

PCT/DK2004/000753

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 322 069 A (ALCATEL CANADA INC) 25 June 2003 (2003-06-25) paragraphs '0001!, '0002! paragraphs '0008! - '0024! paragraphs '0033! - '0041! paragraphs '0042! - '0051! paragraphs '0052! - '0059! paragraph '0074! paragraph '0079! figures 1,3-5 table 3	15-17, 20-23
A		18,19
A	US 2002/188759 A1 (ROY JOYDEEP ET AL) 12 December 2002 (2002-12-12) paragraphs '0002!, '0006! paragraphs '0009! - '0013! paragraphs '0023! - '0028! paragraph '0034! paragraph '0042! paragraph '0044! figures 1,2	15-23

INTERNATIONAL SEARCH REPORT

International application No.
PCT/DK2004/000753

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☒ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
1-3, 5-8, 15-23, 31-33
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☒ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-3,5-8,31-33

a power distribution device, comprising outlets, sensors; sensor ports for receiving a sensor signal and a network connection, capable of operating the outlets in response to information from sensors and/or sensor ports and/or network. Data structure with at least one block comprising data relating to an outlet and one block comprising data relating to a sensor.

2. claims: 9-14,24-30

- a user interface, with a display and at least one panel/window, wherein the at least one panel comprises one or more elements, the user interface comprising a grouping functionality for the network devices, in order to be able to assign a network device to at least one specific group.
- a method and a computer system for controlling power distribution devices in a network and displaying on a display of a user terminal, information relating to the power distribution devices and outlets.

3. claims: 15-23

- a method for finding unknown devices on a network and storing data relating to these devices in a database.
- a method for scanning a network for new power distribution devices, assigning a belonging to each device and storing a record relating to each of these devices in a database. The network comprises at least one user terminal, networks devices and at least one power distribution device.

INTERNATIONAL SEARCH REPORT

information on patent family members

Inte

Application No

PCT/DK2004/000753

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