



(51) International Patent Classification:
H05B 37/02 (2006.01)

(21) International Application Number:
PCT/IB2009/053092

(22) International Filing Date:
16 July 2009 (16.07.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
08300240.2 21 July 2008 (21.07.2008) EP

(71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL];
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **CHATELUS, Bertrand** [FR/FR]; c/o PHILIPS IP&S, High Tech Campus 44, NL-5656AE Eindhoven (NL).

(74) Agents: **BEKKERS, Joost** et al.; c/o PHILIPS IP&S, High Tech Campus 44, NL-5656AE Eindhoven (NL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, 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, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, 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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM,

[Continued on next page]

(54) Title: METHOD OF SETTING UP A LUMINAIRE AND LUMINAIRE TO APPLY THE METHOD

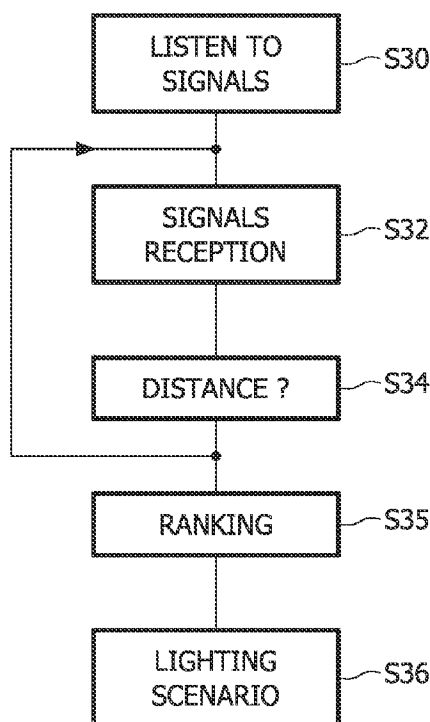


FIG. 3

(57) Abstract: A method of setting up a luminaire, said luminaire being part of a network of luminaires and each luminaire of said network of luminaires being a node of a wireless communication network, comprises, for said luminaire: -receiving (S32) signals from neighbouring luminaires; -generating (S34) indicators from the received signals, wherein indicators give respectively indications of distances between the neighbouring luminaires and said luminaire; -ranking (S35) at least a part of the neighbouring luminaires according to their respective indicators; -providing (S36) a lighting scenario for said ranked neighbouring luminaires depending on their respective ranks.



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

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

18 March 2010

Published:

— *with international search report (Art. 21(3))*

INTERNATIONAL SEARCH REPORT

International application No

PCT/IB2009/053092

A. CLASSIFICATION OF SUBJECT MATTER
INV. H05B37/02

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)
H05B

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)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 548 967 B1 (DOWLING KEVIN J [US] ET AL) 15 April 2003 (2003-04-15) column 3, lines 134-37, - column 11, lines 39-44; figures 1,5,6 column 18, line 45 - column 20, line 52 -----	1-18
Y	WO 2008/012721 A2 (KONINKL PHILIPS ELECTRONICS NV [NL]; LOBO ROHAN C [NL]) 31 January 2008 (2008-01-31) figure 3A -----	1-18
Y	WO 2007/102112 A1 (KONINKL PHILIPS ELECTRONICS NV [NL]; SIMONS PAUL R [NL]; PITCHERS STEP) 13 September 2007 (2007-09-13) page 2, lines 1-19 - page 7, lines 1-15; figure 1 page 8, lines 7-9 - page 17, lines 28-end ----- -/--	1-18

☒ 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 January 2010

Date of mailing of the international search report

22/01/2010

Name and mailing address of the ISA/

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

Authorized officer

Müller, Uta

INTERNATIONAL SEARCH REPORT

International application No

PCT/IB2009/053092

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1 408 276 A2 (KLUTH MANFRED [DE]) 14 April 2004 (2004-04-14) figure 4 -----	1-18
Y	EP 1 251 721 A1 (ELES SEMICONDUCTOR EQUIPMENT S [IT] ELES SEMICONDUCTOR EQUIPMENT S [IT]) 23 October 2002 (2002-10-23) paragraphs [0036], [0065], [0101], [0102]; figure 1 -----	1-18
Y	WO 03/098977 A1 (CELLUX AB [SE]; MANGOLD STEPHAN [SE]; KAARRMAN LARS [SE]; HEDSTROEM MA) 27 November 2003 (2003-11-27) figures 1,2 -----	1-18
A	US 2003/232598 A1 (ALJADIEFF DANIEL [IL] ET AL) 18 December 2003 (2003-12-18) paragraphs [0028], [0030], [0031], [0033], [0039] -----	1-18
A	WO 2004/100617 A1 (KONINKL PHILIPS ELECTRONICS NV [NL]; DRAAIJER MAURICE H J [NL]) 18 November 2004 (2004-11-18) abstract -----	1-18
Y	WO 01/97466 A1 (RED M COMMUNICATIONS LTD [GB]; SHAW DANIEL [GB]) 20 December 2001 (2001-12-20) claims 1,6,10-13,17 -----	1-18

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2009/053092

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6548967	B1	15-04-2003	NONE
WO 2008012721	A2	31-01-2008	CN 101496450 A 29-07-2009 EP 2050316 A2 22-04-2009 US 2009322231 A1 31-12-2009
WO 2007102112	A1	13-09-2007	CN 101401488 A 01-04-2009 EP 1994803 A1 26-11-2008 JP 2009529278 T 13-08-2009 US 2009045971 A1 19-02-2009
EP 1408276	A2	14-04-2004	AT 438825 T 15-08-2009 DE 10343062 A1 27-05-2004
EP 1251721	A1	23-10-2002	NONE
WO 03098977	A1	27-11-2003	AT 333205 T 15-08-2006 AU 2003234958 A1 02-12-2003 EP 1512314 A1 09-03-2005 SE 521058 C2 23-09-2003 SE 0201513 A 23-09-2003
US 2003232598	A1	18-12-2003	AU 2003251503 A1 31-12-2003 WO 03107188 A1 24-12-2003
WO 2004100617	A1	18-11-2004	CN 1784934 A 07-06-2006 JP 2006525640 T 09-11-2006 US 2006241816 A1 26-10-2006
WO 0197466	A1	20-12-2001	AU 6410601 A 24-12-2001