(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau





(10) International Publication Number WO 2015/104650 A3

(43) International Publication Date 16 July 2015 (16.07.2015)

(51) International Patent Classification: *H05B 37/02* (2006.01) *H04L 12/28* (2006.01)

(21) International Application Number:

PCT/IB2015/050049

(22) International Filing Date:

4 January 2015 (04.01.2015)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/924,748 8 January 2014 (08.01.2014)

US

- (71) Applicant: KONINKLIJKE PHILIPS N.V. [NL/NL]; High Tech Campus 5, NL-5656 AE Eindhoven (NL).
- (72) Inventors: ALIAKSEYEU, Dzmitry Viktorovich; c/o High Tech Campus, Building 5, NL-5656 AE Eindhoven (NL). VAN DE SLUIS, Bartel Marinus; c/o High Tech Campus, Building 5, NL-5656 AE Eindhoven (NL). NEWTON, Philip Steven; c/o High Tech Campus, Building 5, NL-5656 AE Eindhoven (NL). CLOUT, Ramon Antoine Wiro; c/o High Tech Campus, Building 5, NL-5656 AE Eindhoven (NL). DEKKER, Tim; c/o High Tech Campus, Building 5, NL-5656 AE Eindhoven (NL). LASHINA, Tatiana Aleksandrovna; c/o High Tech Campus, Building 5, NL-5656 AE Eindhoven (NL).

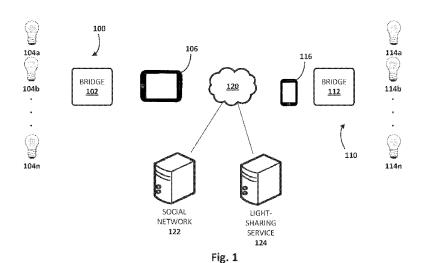
- (74) Agents: VAN EEUWIJK, Alexander Henricus Walterus et al.; High Tech Campus Building 5, NL-5656 AE Eindhoven (NL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, 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, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, 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, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

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

[Continued on next page]

(54) Title: SYSTEM FOR SHARING AND/OR SYNCHRONIZING ATTRIBUTES OF EMITTED LIGHT AMONG LIGHTING SYSTEMS



(57) Abstract: System, methods, computer-readable media and apparatus are described herein for sharing lighting settings between lighting systems in real time. In some embodiments, a user may configure a local lighting system to "follow" a remote lighting system, such that the local lighting system emits light that resembles light emitted contemporaneously by the remote lighting system. Likewise, a user may cause one or more attributes of light emitted by a local lighting system to be published, so that other remote lighting systems may follow the local lighting system.







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

(88) Date of publication of the international search report:
26 November 2015

Published:

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

INTERNATIONAL SEARCH REPORT

International application No PCT/IB2015/050049

A. CLASSIFICATION OF SUBJECT MATTER INV. H05B37/02 H04L12/28

ADD.

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 - 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 practicable, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
Х	WO 2013/186665 A2 (KONINKL PHILIPS NV [NL]) 19 December 2013 (2013-12-19)	1-9, 12-20		
Υ	the whole document	10,11		
Χ	US 2011/137757 A1 (PAOLINI STEVEN [US] ET AL) 9 June 2011 (2011-06-09)	1-9, 12-20		
Υ	the whole document	10,11		
Υ	WO 2010/079388 A1 (KONINKL PHILIPS ELECTRONICS NV [NL]; PHILIPS CORP [US]; LOVELAND DAMIE) 15 July 2010 (2010-07-15) paragraphs [0162] - [0163]	10,11		
	-/			

Further documents are listed in the continuation of Box C.	X See patent family annex.	
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent 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	Date of mailing of the international search report	
13 July 2015	20/07/2015	
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 Ferla, Monica	

3

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2015/050049

C(Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	US 2013/278172 A1 (MAXIK FREDRIC S [US] ET AL) 24 October 2013 (2013-10-24)	1-3,5, 7-9,12, 13,16-20
	paragraphs [0023] - [0029]; figure 1 paragraphs [0051], [0056]; claims 17-19; figure 6	
Х	US 7 697 925 B1 (WILSON THOMAS H [US] ET AL) 13 April 2010 (2010-04-13)	1-3,5,7, 12,13, 16-18
	page 3, line 2 - page 6, line 58; figures	10 10
А	US 2007/206375 A1 (PIEPGRAS COLIN [US] ET AL LYS IHOR A [US] ET AL) 6 September 2007 (2007-09-06) paragraphs [0190] - [0194]; figure 49 claims 1-20	1-20
A	WO 2012/148385 A1 (PROCTER & GAMBLE [US]; MCGUIRE KENNETH STEPHEN [US]; HASENOEHRL ERIK J) 1 November 2012 (2012-11-01) page 12, lines 1-29; figure 8	1-20

3

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/IB2015/050049

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2013186665 A2	19-12-2013	CN 104365184 A EP 2859780 A2 US 2015161137 A1 WO 2013186665 A2	18-02-2015 15-04-2015 11-06-2015 19-12-2013
US 2011137757 A1	09-06-2011	CN 103765467 A DE 112012000775 T5 US 2011137757 A1 WO 2012112813 A2	30-04-2014 16-01-2014 09-06-2011 23-08-2012
WO 2010079388 A1	15-07-2010	CA 2748984 A1 CN 102273323 A EP 2386188 A1 JP 2012514829 A KR 20110118783 A RU 2011133069 A TW 201028030 A WO 2010079388 A1	15-07-2010 07-12-2011 16-11-2011 28-06-2012 01-11-2011 20-02-2013 16-07-2010 15-07-2010
US 2013278172 A1	24-10-2013	US 2013278172 A1 US 2014239845 A1	24-10-2013 28-08-2014
US 7697925 B1	13-04-2010	NONE	
US 2007206375 A1	06-09-2007	NONE	
WO 2012148385 A1	01-11-2012	CA 2834217 A1 EP 2702528 A1 WO 2012148385 A1	01-11-2012 05-03-2014 01-11-2012