

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
29 January 2009 (29.01.2009)

PCT

(10) International Publication Number
WO 2009/015148 A3

- (51) International Patent Classification:
G05F 1/00 (2006.01)
- (21) International Application Number:
PCT/US2008/070774
- (22) International Filing Date: 22 July 2008 (22.07.2008)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/962,080 26 July 2007 (26.07.2007) US
11/927,093 29 October 2007 (29.10.2007) US
11/927,059 29 October 2007 (29.10.2007) US
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- (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, 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, 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, MT, NL,

[Continued on next page]

(54) Title: DIMMING SYSTEM POWERED BY TWO CURRENT SOURCES AND HAVING AN OPERATION INDICATOR MODULE

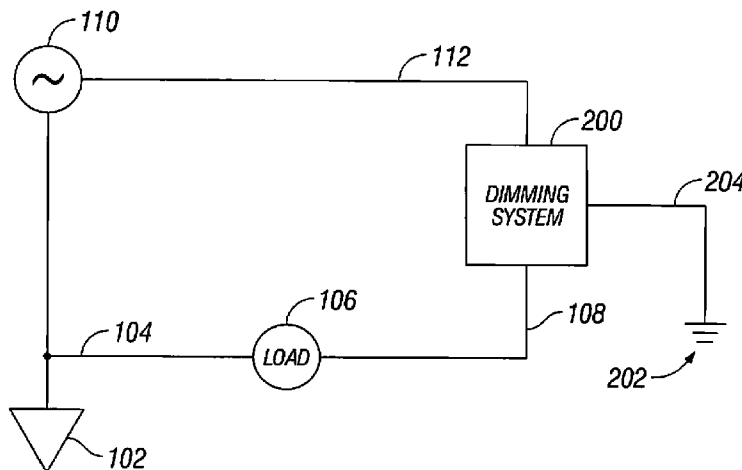


FIG. 2

(57) Abstract: A dimming system and method of operating the same are provided. The dimming system includes a first terminal which connects to a first conductive line, a second terminal which connects to a second conductive line, and a third terminal which connects to a third conductive line. The first conductive line connects to a load, the second conductive line supplies an alternating current, and the third conductive line connects to a current path. The dimming system further includes a controller connected to at least one of the first, second and third terminals for controlling operation of the dimming system. The first and second terminals are electrically connected to a primary power supply and the first and third terminals are electrically connected to a secondary power supply. The primary power supply is powered through connection to neutral, and wherein the secondary power supply is powered through connection to an earth ground.

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NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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

Declarations under Rule 4.17:

- *as to the identity of the inventor (Rule 4.17(i))*
- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

Published:

- *with international search report*

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

7 May 2009

A. CLASSIFICATION OF SUBJECT MATTER*G05F 1/00(2006.01)i*

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: G05F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Utility Models and applications for Utility Models since 1975

Japanese Utility Models and applications for Utility Models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKIPASS (KIPO internal) & keywords: dimming, controller

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,323,088 A (DAVID W. CUNNINGHAM) 21 June 1994 See Column 1, Line 15 - Column 6, Line 25; Abstract and Figures 1-3.	1-43
A	US 5,757,145 A (SAMUEL A. JOHNSON et al) 26 May 1998 See Column 1, Line 7 - Column 13, Line 33; Abstract and Figures 1-6.	1-43
A	US 5,949,197 A (MARK KASTNER) 7 September 1999 See Abstract and Figures 1-2C.	1-43

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

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"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

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Date of the actual completion of the international search

12 FEBRUARY 2009 (12.02.2009)

Date of mailing of the international search report

12 FEBRUARY 2009 (12.02.2009)

Name and mailing address of the ISA/KR

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Government Complex-Daejeon, 139 Seonsa-ro, Seo-gu,
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Facsimile No. 82-42-472-7140

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Telephone No. 82-42-481-8226



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2008/070774

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5,323,088 A	21.06.1994	None	
US 5,757,145 A	26.05.1998	None	
US 5,949,197 A	07.09.1999	None	