



— *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))*

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26 August 2010

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2009/057793

A. CLASSIFICATION OF SUBJECT MATTER

INV. H05B37/02 H05B41/36 H05B41/392
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

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005/179404 A1 (VESKOVIC DRAGAN [US] ET AL) 18 August 2005 (2005-08-18)	1,3-21
Y	paragraphs [0001] - [0010], [0 16], [0 23] - [0025], [0027] - [0032], [0 37], [0 38], [0041], [0 44] - [0047], [0 54], [0061], [0063]; figures 1,2, 4-8,10A,10B	2
Y	paragraphs [0002] - [0010], [0023] - [0025], [0027] - [0034], [0038], [0061], [0063]	
Y	figures 1-10B	
Y	WO 00/41287 A (MOTOROLA INC [US]) 13 July 2000 (2000-07-13)	2
A	* abstract	1,8
	pages 1,2,5,7	
	pages 8,9	
	figures 1-5	
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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

8 July 2010

Date of mailing of the international search report

14/07/2010

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

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PCT/US2009/057793

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 2004/140777 A1 (FOSLER ROSS M [US]) 22 July 2004 (2004-07-22) paragraphs [0001], [0003] - [0007], [0009]; figures 5,6 -----	10, 12, 20
A	US 6 762 570 B1 (FOSLER ROSS M [US]) 13 July 2004 (2004-07-13) paragraphs [0001] - [0021], [0040], [0042], [0043], [0045], [0048] - [0053] figures 1-6 -----	1
A	US 2005/225257 A1 (GREEN PETER [US]) 13 October 2005 (2005-10-13) the whole document -----	1

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/057793

Box No. 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 No. 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 fees, this Authority did not invite payment of additional fees.
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.:

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 and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- 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: 1-9

The special technical features of these claims concern a dual-control analog and DALI interface circuit comprising voltage and current regulation and a depolarizing circuit.

2. claims: 10-19

The special technical features of these claims concern a method of dual analog and DALI control of a ballast circuit in which control state information stored in memory is used as the basis for controlling said ballast circuit.

3. claims: 20, 21

The special technical features of these claims concern a computer readable medium for storing computer-executable instructions for monitoring incoming control signals for a ballast circuit and updating control state information.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2009/057793

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2005179404 A1	18-08-2005	AU 2005214767 A1 BR PI0507673 A CA 2556302 A1 EP 1723834 A1 JP 2007522639 T US 2009273296 A1 US 2009273286 A1 WO 2005081590 A1	01-09-2005 17-07-2007 01-09-2005 22-11-2006 09-08-2007 05-11-2009 05-11-2009 01-09-2005
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US 6762570 B1	13-07-2004	US 2004140777 A1	22-07-2004
US 2005225257 A1	13-10-2005	NONE	