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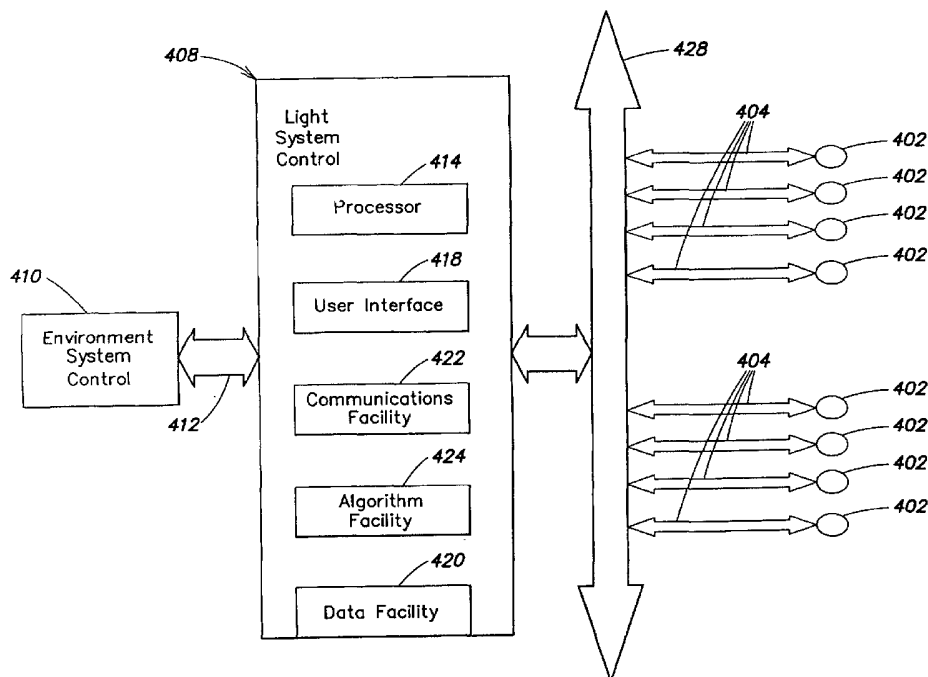
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60/407,185 28 August 2002 (28.08.2002) US
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- Published:  
— with international search report

[Continued on next page]

(54) Title: METHODS AND SYSTEMS FOR ILLUMINATING ENVIRONMENTS



(57) Abstract: Provided herein are methods and systems for illuminating environments, including aircraft environments. The methods and systems include facilities for providing both white and non-white illumination, with color and color temperature s control, in programmed response to inputs. Methods and systems are also provided for improving the addressing of light systems in a network lighting configuration.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

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1 July 2004

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 03/26783

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 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)

IPC 7 H05B H01R

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, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 188 181 B1 (BALOG JR ROBERT S ET AL) 13 February 2001 (2001-02-13) column 1, lines 50-55 column 11, line 63 - column 12, line 3 column 16, lines 12-23 figure 10D	1,32,38, 69
X	----- US 5 455 490 A (CHESTER JOHN K ET AL) 3 October 1995 (1995-10-03) column 17, lines 4-20	1,32,38, 69
A	----- PATENT ABSTRACTS OF JAPAN vol. 1997, no. 04, 30 April 1997 (1997-04-30) & JP 08 330076 A (MATSUSHITA ELECTRIC WORKS LTD), 13 December 1996 (1996-12-13) abstract -/-	



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

"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.

"&amp;" document member of the same patent family

Date of the actual completion of the international search

27 November 2003

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13.05.04

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 03/26783

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	& DATABASE WPI Derwent Publications Ltd., London, GB; AN 1997-092707 abstract	1,32,38, 69
A	----- US 2002/010518 A1 (MUNYON TODD ET AL) 24 January 2002 (2002-01-24) paragraphs [0338] - [0348] paragraphs [0475], [0481]	1,32,38, 69
A	----- US 5 638 057 A (WILLIAMS HAROLD R) 10 June 1997 (1997-06-10) column 3, line 33	1,32,38, 69
A	----- US 6 058 604 A (GOODFELLOW TONY) 9 May 2000 (2000-05-09) abstract	1,32,38, 69
A	----- EP 0 149 907 A (AMP INC) 31 July 1985 (1985-07-31) page 16, lines 21-24; figure 6 -----	1,32,38, 69

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US 03/26783

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 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 II Observations where unity of invention is lacking (Continuation of item 2 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.:
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.:

1-21, 32-58, 69-75

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: 1-21 32-58 69-75

Method and System for illuminating an environment comprising:

- a control system generating control signals,
- a plurality of light points distributed in the environment and
- a number of connectors between the control system and the plurality of lights, the connectors providing an address so that the control signals reach the lights connected via the respective connector.

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2. claims: 22-31 59-68

Method and System for illuminating an environment with colored light comprising:

- a control system and
- a plurality of color lights.

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3. claims: 76-101

Method and System for controlling the illuminating in an environment comprising:

- a plurality of intelligent connectors distributed in the environment, being the connectors able to handle data for controlling the illumination system.

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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 03/26783

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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