Title: LIGHTING SYSTEM WITH LINKED GROUPS

300

A lighting system (100) includes a lighting module (110) configured to accept a light source, and a controller (120) configured to be linkable to the lighting module (110). A link between the controller (120) and lighting module (110) is establishable by exchanging between the controller (120) and lighting module (110) at least one of a module link identity of the lighting module and a controller link identity of the controller. The link may be establishable based on a gesture including pointing the controller (120) to the lighting module (110), touching the controller (120) to the lighting module (110), and/or selecting the lighting module (110) from a display.

[Continued on next page]
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**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 database consulted during the international search (name of database and, where practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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</thead>
<tbody>
<tr>
<td>X,P</td>
<td>WO 2006/129227 A (PHILIPS INTELLECTUAL PROPERTY [DE]; KONINKL PHILIPS ELECTRONICS NV [NL]) 7 December 2006 (2006-12-07) page 2, line 6 - page 5, line 2; figures 1-5</td>
<td>1-3, 19, 20</td>
</tr>
<tr>
<td>X</td>
<td>WO 03/007665 A (KONINKL PHILIPS ELECTRONICS NV [NL]) 23 January 2003 (2003-01-23) abstract; figure 5A</td>
<td>1, 3, 19</td>
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</tbody>
</table>

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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

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Name and mailing address of the ISA:

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Authorized officer: Albertsson, Gustav

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### DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
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<tr>
<td>X</td>
<td>WO 02/071689 A (KONINKL PHILIPS ELECTRONICS NV [NL]) 12 September 2002 (2002-09-12) abstract; figures 1-4</td>
<td>1, 3, 19</td>
</tr>
</tbody>
</table>
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 fee, 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.:

   1-3,19,20

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.
This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-3,19,20
   The lighting system of claim 1, wherein said link is established based on a gesture, including one of pointing said controller to said lighting module, touching said controller to said lighting module, bringing said controller and said lighting module in proximity to each other, and selecting said lighting module from a display. The underlying problem is how to select a particular lighting module for address assignment.

2. claims: 4-7,21
   The lighting system of claim 1, wherein said link is further established by exchanging between said controller and said lighting module at least one of a module command identity of said lighting module and a controller command identity of said controller. The underlying problem relates to the division of the lighting system into at least two communication subsystems, namely a linking and a communication subsystem (for commands).

3. claims: 8,22
   The lighting system of claim 1, further comprising a further controller, said further controller being configured to copy settings of said controller. The underlying problem relates to ease of use in the case of adding a second controller.

4. claims: 9,10
   The lighting system of claim 1, wherein said controller is a portable controller. The underlying problem relates to the choice of transmission medium to enable portability.

5. claims: 11,23
   The lighting system of claim 1, wherein said link is deleted when a further link is established with a further lighting module. The underlying problem relates to avoiding interference in the case of adding a second controller.

6. claims: 12-18,24,25
The lighting system of claim 1, further comprising a plurality of said lighting module, wherein said controller is configured to be linkable to at least one group of said plurality of said lighting module for controlling light sources associated with at least one group. The underlying problem relates to the possibility of controlling a group of lighting modules (simultaneously and/or with a single command).
| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
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