Abstract: Methods and apparatus related to a LED-based lighting unit (10; 110; 210; 310; 410) having a radar for presence detection. A radar circuit (140; 240; 340A; 340B; 440) may be electrically coupled to conductive wiring (25; 125; 225; 325; 425) of the LED-based lighting unit that at least selectively powers the radar circuit and at least selectively powers the LEDs. In some implementations, an antenna coupled to the radar circuit may be formed from the conductive wiring and optionally at least partially isolated from any current flowing through the LEDs.

FIG. 2
(88) Date of publication of the international search report:
12 September 2014
A. CLASSIFICATION OF SUBJECT MATTER

INV. H05B33/08 H05B37/02

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 practicable, search terms used)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
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<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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<tr>
<td>X</td>
<td>CN 201 851 959 U (ZENG YONGTENG) 1 June 2011 (2011-06-01) abstract; figures</td>
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<tr>
<td>X</td>
<td>CN 202 172 731 U (LIXIAN HUXIANG INST OF AUTOMATION) 28 March 2012 (2012-03-28) abstract; figures</td>
<td>1-13</td>
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Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:

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Date of the actual completion of the international search: 18 June 2014

Date of mailing of the international search report: 26/06/2014

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<td>CN 201851959 U 01-06-2011</td>
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<td>CN 202172731 U 28-03-2012</td>
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