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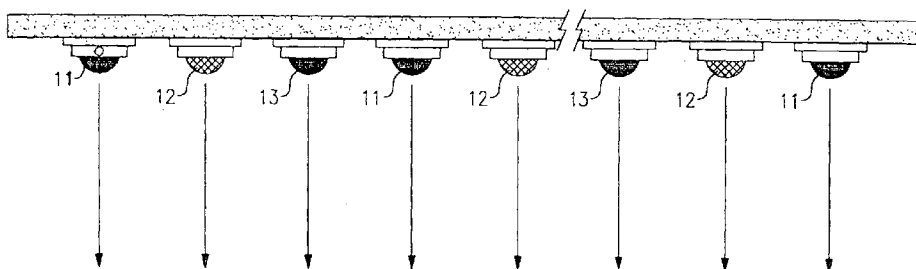
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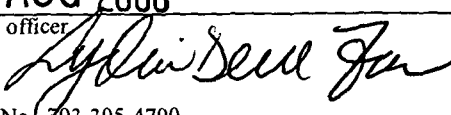


(57) Abstract: A lighting device comprising a group of one or more illumination solid state light emitters, a reference solid state light emitter and a reference sensor which detects an intensity of the reference solid state light emitter. Each of the emitters (1) has an illumination which is spaced from a first point by a delta u', v' distance on a 1976 CIR diagram of not more than 0.015, and/or (2) has a forward voltage temperature dependence which is within 5 % of a first forward voltage temperature dependence. In addition, a lighting device comprising one or more illumination solid state light emitters, a reference solid state light emitter and a sensor which comprises at least two areas of individual sensors. Also, methods of lighting.

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A. CLASSIFICATION OF SUBJECT MATTER IPC: F21V 9/00(2006.01);G05F 1/00(2006.01) USPC: 362/231;315/309 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) U.S. : 362/231; 315/309 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)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,411,046 B1(MUTHU) 25 JUNE 2002, COL.2, LINES 62-67 TO COL.5, LINES 1-48	1-7
X	US 7,213,940 (VAN DE VEN ET AL) 8 MAY 2007, COLUMN 10, LINES 44-67 TO COLUMN 13, LINES 1-50	1-7
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