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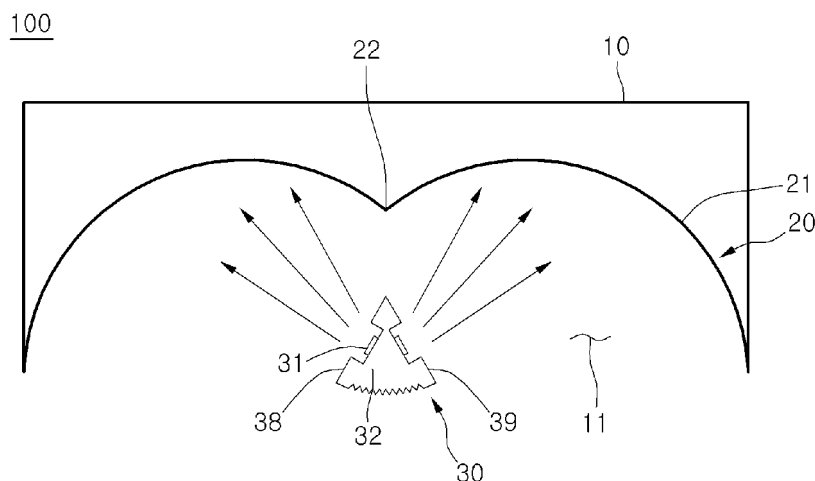
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(54) **Lighting device**

(57) The invention relates to a lighting device, comprising:  
a reflector (20) including at least one reflecting surface (21); and a light source unit (30) disposed in the vicinity of the reflector and comprising:  
a main body (32) having a first outside surface (38) and a second outside surfaces (39), wherein each of said first

and second outside surfaces is inclined with reference to the other; and  
a plurality of first light emitting diodes (31) disposed on the first outside surface and a plurality of second light emitting diodes disposed on the second outside surface so that said first and second light emitting diodes are configured to emit light towards the reflector.

**【FIGURE 1】**





## EUROPEAN SEARCH REPORT

Application Number  
EP 10 16 6630

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 2009/033478 A1 (OSRAM GMBH [DE]; DUSSAULT DAVID [DE]; BERTRAM RALPH PETER [DE]; FIEGLE) 19 March 2009 (2009-03-19) * figures 1-5, 7, 8, 11-15 * -----	1,4-7,10	INV. F21V7/00 F21V21/112 F21V21/116 F21V23/06
X	FR 2 860 280 A1 (KOITO MFG CO LTD [JP]) 1 April 2005 (2005-04-01) * page 11, line 12 - page 13, line 4; figures 4-6 * -----	1-4,6,10	ADD. F21V7/06 F21V7/22 F21V29/00
X	WO 2005/055328 A1 (MITSUBISHI ELECTRIC CORP [JP]; MITSUBISHI ELEC LIGHTING CORP [JP]; MUR) 16 June 2005 (2005-06-16) * figure 32 * -----	1,4,6,10	F21S8/04 F21S8/08 F21Y103/00
X	US 2009/002997 A1 (KOESTER GEORGE H [US]) 1 January 2009 (2009-01-01) * figures 1-3 * -----	1,2,6,10	
X	WO 2005/078338 A1 (KELLY WILLIAM M [IE]) 25 August 2005 (2005-08-25) * figure 9 * -----	1,4,6,10	TECHNICAL FIELDS SEARCHED (IPC)
X	EP 1 847 762 A2 (FARO SPA [IT] F A R O FABBRICA APPARECCHIATU [IT]) 24 October 2007 (2007-10-24) * paragraphs [0027] - [0036]; figures 1-4 * -----	1-3,5,6,10,11	F21V F21K F21S
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 31 January 2011	Examiner von der Hardt, M
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	

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EPO FORM 1503 03.82 (P04C01)



Application Number

EP 10 16 6630

**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

**LACK OF UNITY OF INVENTION**

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION  
SHEET B**

Application Number

EP 10 16 6630

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-9

optimized optical, mechanical and electrical/electronical  
design of a lighting device

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2. claims: 10-15

support of a lighting device and connection to an external  
support member

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 10 16 6630

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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31-01-2011

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