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Declaration under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

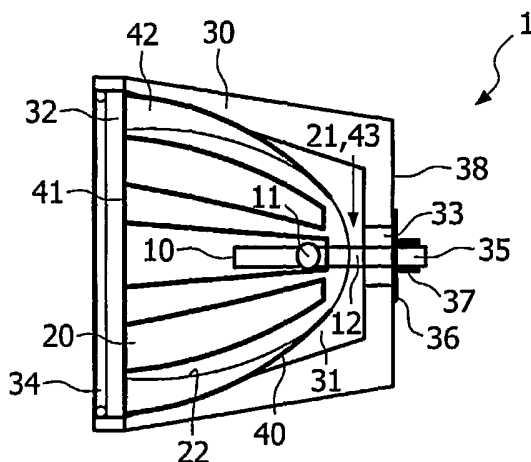
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11 May 2006

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.

(54) Title: LIGHTING DEVICE COMPRISING A LAMP UNIT AND A REFLECTOR



(57) Abstract: A lighting device (1) comprises a lamp unit (10) for emitting light, a reflector (20) for reflecting the emitted light, and a housing (30) for accommodating both the lamp unit (10) and the reflector (20). Much heat is generated by the lamp unit (10) during operation of the device (1) if the lamp unit (10) comprises a lamp operating at a high power level, such as an ultra high performance lamp, which heat needs to be dissipated to the environment of the lighting device (1). For this purpose, the lighting device (1) is provided with a heat sink (40) arranged between the reflector (20) and the housing (30), which heat sink is thermally coupled to both the reflector (20) and the housing (30). The heat sink (40) comprises metal strips (42) which surround the reflector (20).

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2005/052396

A. CLASSIFICATION OF SUBJECT MATTER

F21V29/00

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)

F21V G03B

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, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 10, 10 October 2002 (2002-10-10) -& JP 2002 184234 A (SHARP CORP), 28 June 2002 (2002-06-28) abstract -----	1,3
X	GB 429 390 A (THE BENJAMIN ELECTRIC LIMITED) 29 May 1935 (1935-05-29) page 2, line 93 - page 3, line 12 figures -----	1,3
A	EP 0 902 231 A (VICTOR COMPANY OF JAPAN, LIMITED) 17 March 1999 (1999-03-17) page 3, line 36 - page 4, line 8 figure 4 ----- -/--	1-3

☒ 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

"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.

"&" document member of the same patent family

Date of the actual completion of the international search

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Date of mailing of the international search report

15. 02. 2006

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INTERNATIONAL SEARCH REPORT

International application No

PCT/IB2005/052396

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/48609 A (KONINKLIJKE PHILIPS ELECTRONICS N.V) 20 June 2002 (2002-06-20) abstract page 3, line 23 - page 4, line 19 figures -----	1-3

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB2005/052396

Box 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 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 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.:

1-3

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: 1-3

A lighting device comprising a lamp unit, a reflector having a hole in its bottom, a housing and a heat sink arranged between the reflector and the housing, which heat sink is thermally coupled to both the reflector and the housing.

2. claims: 4-7

A lighting device comprising a lamp unit, a reflector having a hole in its bottom, a housing and a base plate connected to the housing, wherein an end arm of the lamp unit extending through the hole in the reflector is connected to the base plate.

3. claims: 8-10

A lighting device comprising a lamp unit, a reflector having a hole in its bottom, wherein the reflector is clamped in by the housing, and wherein the shape of the circumference of the housing is different from the shape of a circumference of the reflector.

4. claims: 11-13

A lighting device comprising a lamp unit, a reflector having a hole in its bottom, wherein the reflector is fixed with respect to the housing by means of at least one projection held by an engaging member engaging the projection, wherein at least one projection extends from one of the reflector and the housing, and wherein the engaging member is arranged on the respective other one of the reflector and the housing.

INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2005/052396

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2002184234 A	28-06-2002	NONE	
GB 429390 A	29-05-1935	NONE	
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