

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2019/127260

**A. CLASSIFICATION OF SUBJECT MATTER**

F21V 8/00(2006.01)i

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

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)

CNPAT, EPODOC, WPI, CNKI: 光源, 照明, 灯, 光, 光导, 导光, 管, 散热, 离焦, 聚焦, 焦距, VEHICLE, CAR, LED, LAMP, LIGHT+, TUB, ARM?, HEAT

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 1752513 A (OSRAM SYLVANIA INC.) 29 March 2006 (2006-03-29) claims 1-7, description, pages 2-3, figures 1-7	1-12
A	CN 205402494 U (LIANG, Meizhen) 27 July 2016 (2016-07-27) entire document	1-12
A	CN 102374497 A (OCEAN'S KING LIGHTING SCIENCE & TECHNOLOGY CO., LTD. et al.) 14 March 2012 (2012-03-14) entire document	1-12
A	CN 106439663 A (INTON TECH CO LTD) 22 February 2017 (2017-02-22) entire document	1-12
A	US 2010046245 A1 (ANSARI, Ajmal Imran et al.) 25 February 2010 (2010-02-25) entire document	1-12

 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 application or patent 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

"&amp;" document member of the same patent family

Date of the actual completion of the international search

09 March 2020

Date of mailing of the international search report

23 March 2020

Name and mailing address of the ISA/CN

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**INTERNATIONAL SEARCH REPORT**  
**Information on patent family members**

International application No.

**PCT/CN2019/127260**

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
CN	1752513	A	29 March 2006	US	2006061286	A1	23 March 2006
				EP	1640753	A1	29 March 2006
				CA	2510686	A1	22 March 2006
				JP	2006100271	A	13 April 2006
				US	7261452	B2	28 August 2007
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CN	205402494	U	27 July 2016	None			
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CN	102374497	A	14 March 2012	None			
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CN	106439663	A	22 February 2017	WO	2017020584	A1	09 February 2017
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US	2010046245	A1	25 February 2010	DE	102009028525	A1	06 May 2010
				US	7883251	B2	08 February 2011
				DE	102009028525	B4	27 August 2015
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