

# INTERNATIONAL SEARCH REPORT

International application No.

**PCT/CN2015/087911**

## A. CLASSIFICATION OF SUBJECT MATTER

H01L 51/52 (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)

H01L

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)

CNKI, CNPAT, WPI, EPODOC, IEEE: ethylenedioxythiophene, styrene sulfonic acid, OLED, organic, light emit+, anode, PEDOT: PSS, ethylene dioxythiophene poly styrene sulfonate, light extract+

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 104508849 A (MITSUBISHI RAYON CO., LTD.), 08 April 2015 (08.04.2015), description, paragraphs [0026], [0027] and [0077]-[0097], and figure 2	1-5
Y	CN 104508849 A (MITSUBISHI RAYON CO., LTD.), 08 April 2015 (08.04.2015), description, paragraphs [0026], [0027] and [0077]-[0097], and figure 2	6-11
Y	CN 103427041 A (OCEAN'S KING LIGHTING SCIENCE & TECHNOLOGY CO., LTD. et al.), 04 December 2013 (04.12.2013), description, paragraphs [0059] and [0061]	6-11
X	KR 20130089395 A (UNIV KWANGWOON IND ACADEMIC COLLABORATIO), 12 August 2013 (12.08.2013), abstract, description, paragraphs [0029]-[0046], and figure 1	1-11
A	CN 103824967 A (BEIJING VISIONOX TECHNOLOGY CO., LTD.), 28 May 2014 (28.05.2014), the whole document	1-11
A	CN 101752400 A (TOPPOLY OPTOELECTRONICS CORP.), 23 June 2010 (23.06.2010), the whole document	1-11

Further documents are listed in the continuation of Box C.

See patent family annex.

<p>* Special categories of cited documents:</p> <p>“A” document defining the general state of the art which is not considered to be of particular relevance</p> <p>“E” earlier application or patent but published on or after the international filing date</p> <p>“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)</p> <p>“O” document referring to an oral disclosure, use, exhibition or other means</p> <p>“P” document published prior to the international filing date but later than the priority date claimed</p>	<p>“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</p> <p>“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</p> <p>“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</p> <p>“&amp;” document member of the same patent family</p>
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<p>Date of the actual completion of the international search</p> <p style="text-align: center;">31 March 2016 (31.03.2016)</p>	<p>Date of mailing of the international search report</p> <p style="text-align: center;"><b>27 April 2016 (27.04.2016)</b></p>
<p>Name and mailing address of the ISA/CN:</p> <p>State Intellectual Property Office of the P. R. China No. 6, Xitucheng Road, Jimenqiao Haidian District, Beijing 100088, China Facsimile No.: (86-10) 62019451</p>	<p>Authorized officer</p> <p style="text-align: center;"><b>WANG, Li</b></p> <p>Telephone No.: (86-10) <b>82245262</b></p>

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2008122347 A1 (LEE, B.W.), 29 May 2008 (29.05.2008), the whole document	1-11

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

International application No.  
**PCT/CN2015/087911**

Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN 104508849 A	08 April 2015	WO 2014017425 A1 TW 201407824 A KR 20150037743 A US 2015207104 A1	30 January 2014 16 February 2014 08 April 2015 23 July 2015
CN 103427041 A	04 December 2013	None	
KR 20130089395 A	12 August 2013	KR 101348473 B1	08 January 2014
CN 103824967 A	28 May 2014	None	
CN 101752400 A	23 June 2010	CN 101752400 B	27 February 2013
US 2008122347 A1	29 May 2008	KR 101326135 B1 US 7906898 B2 KR 20080047725 A	07 November 2013 15 March 2011 30 May 2008