

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2016/006836

A. CLASSIFICATION OF SUBJECT MATTER

H01L 33/48(2010.01)i, H01L 33/50(2010.01)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 33/48; H01L 33/00; C09K 11/64; H01L 33/52; H01L 33/50; C09K 11/08

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Utility models and applications for Utility models: IPC as above

Japanese Utility models and applications for Utility models: IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS (KIPO internal) & Keywords: fluorescent substance, thickness, uniform, cap shape

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2010-245576 A (DOWA ELECTRONICS MATERIALS CO., LTD.) 28 October 2010 See paragraphs [0022]-[0024], [0031]-[0033], [0047], claim 1 and figures 1, 3.	1-4
Y		5-10
Y	JP 2014-203932 A (TOSHIBA CORP.) 27 October 2014 See paragraphs [0017]-[0022], claim 1 and figure 1.	5-10
A	JP 2010-182809 A (STANLEY ELECTRIC CO., LTD.) 19 August 2010 See paragraphs [0036]-[0055], claim 1 and figure 1.	1-10
A	KR 10-2013-0014256 A (LG INNOTEK CO., LTD.) 07 February 2013 See abstract, paragraphs [0030]-[0032], [0044], [0045], claim 1 and figures 1, 4.	1-10
A	JP 2009-094262 A (TOYODA GOSEI CO., LTD. et al.) 30 April 2009 See paragraphs [0010], [0011], claim 1 and figures 2, 3.	1-10



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

"&" document member of the same patent family

Date of the actual completion of the international search

17 MARCH 2017 (17.03.2017)

Date of mailing of the international search report

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Name and mailing address of the ISA/KR

Korean Intellectual Property Office
Government Complex-Daejeon, 189 Seonsa-ro, Daejeon 302-701,
Republic of Korea

Facsimile No. +82-42-481-8578

Authorized officer

Telephone No.

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/KR2016/006836

Patent document cited in search report	Publication date	Patent family member	Publication date
JP 2010-245576 A	28/10/2010	JP 5372868 B2	18/12/2013
JP 2014-203932 A	27/10/2014	CN 104103743 A EP 2787055 A1 KR 10-2014-0120814 A TW 201442272 A TW 1535053 B US 2014-0299904 A1 US 9190582 B2	15/10/2014 08/10/2014 14/10/2014 01/11/2014 21/05/2016 09/10/2014 17/11/2015
JP 2010-182809 A	19/08/2010	CN 101800281 A CN 101800281 B	11/08/2010 17/09/2014
KR 10-2013-0014256 A	07/02/2013	CN 102903706 A EP 2551927 A1 JP 2013-033903 A JP 5999929 B2 US 2013-0026500 A1 US 8916887 B2	30/01/2013 30/01/2013 14/02/2013 28/09/2016 31/01/2013 23/12/2014
JP 2009-094262 A	30/04/2009	NONE	