

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2017/014485

## A. CLASSIFICATION OF SUBJECT MATTER

*C08G 59/22(2006.01)i, C08K 5/1525(2006.01)i, C09D 11/102(2014.01)i, C09D 11/101(2014.01)i, H01L 51/52(2006.01)i, H01L 27/32(2006.01)i, H01L 51/00(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)

C08G 59/22; C09K 3/10; C08G 59/68; C09J 163/00; C08L 63/00; C09D 11/00; B05D 7/00; C08G 65/18; C08G 59/24; C09J 4/00; B41J 2/01; C08K 5/1525; C09D 11/102; C09D 11/101; H01L 51/52; H01L 27/32; H01L 51/00

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: epoxy, oxetane, aliphatic, cycloaliphatic, iodonium salt, photoinitiator, sealing material, organic electronic device

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2001-139933 A (MITSUI CHEMICALS INC.) 22 May 2001 See claims 1-12; and paragraphs [0002], [0011], [0013], [0014], [0044], [0045], [0062]-[0070].	1-4,6-9,15-18
Y		5,10-14
X	WO 2006-107803 A2 (NATIONAL STARCH AND CHEMICAL INVESTMENT HOLDING CORPORATION) 12 October 2006 See paragraphs [0075]-[0080]; and claims 1, 18, 19.	1,2,9,16-18
Y	JP 09-087363 A (NIPPON ZEON CO., LTD.) 31 March 1997 See claim 1; and paragraphs [0010], [0035].	5
Y	JP 2005-008760 A (KONICA MINOLTA MEDICAL & GRAPHIC INC.) 13 January 2005 See claim 1; and paragraphs [0058], [0105], [0111].	10-14
A	WO 2016-190300 A1 (DAICEL CORPORATION) 01 December 2016 See claim 1.	1-18
A	JP 2008-063397 A (KYORITSU KAGAKU SANGYO K.K.) 21 March 2008 See claim 1.	1-18

 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

19 MARCH 2018 (19.03.2018)

Date of mailing of the international search report

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

International application No.

**PCT/KR2017/014485**

Patent document cited in search report	Publication date	Patent family member	Publication date		
JP 2001-139933 A	22/05/2001	CN 1203150 C	25/05/2005		
		CN 1320146 A	31/10/2001		
		DE 60031238 D1	23/11/2006		
		EP 1138739 A1	04/10/2001		
		EP 1138739 A4	17/04/2002		
		EP 1138739 B1	11/10/2006		
		JP 4193343 B2	10/12/2008		
		KR 10-2001-0080093 A	22/08/2001		
		TW 500791 B	01/09/2002		
		US 6586496 B1	01/07/2003		
		WO 01-12745 A1	22/02/2001		
		WO 2006-107803 A2	12/10/2006	AT 510872 T	15/06/2011
				CN 101155853 A	02/04/2008
CN 101891945 A	24/11/2010				
CN 101891945 B	24/10/2012				
EP 1866360 A2	19/12/2007				
EP 1866360 B1	25/05/2011				
EP 1992654 A1	19/11/2008				
EP 1992654 B1	12/09/2012				
JP 2008-535975 A	04/09/2008				
JP 5297185 B2	25/09/2013				
KR 10-1306213 B1	09/09/2013				
KR 10-1470473 B1	08/12/2014				
KR 10-2007-0122526 A	31/12/2007				
KR 10-2013-0054393 A	24/05/2013				
PT 1866360 E	12/07/2011				
PT 1992654 E	08/11/2012				
TW 200702354 A	16/01/2007				
TW 1393731 B	21/04/2013				
US 2006-0223978 A1	05/10/2006				
US 2007-0034515 A1	15/02/2007				
US 2008-0272328 A1	06/11/2008				
US 2008-0296159 A1	04/12/2008				
US 7887716 B2	15/02/2011				
US 7902305 B2	08/03/2011				
WO 2006-107803 A3	07/12/2006				
JP 09-087363 A	31/03/1997	NONE			
JP 2005-008760 A	13/01/2005	JP 4487501 B2	23/06/2010		
WO 2016-190300 A1	01/12/2016	TW 201718754 A	01/06/2017		
JP 2008-063397 A	21/03/2008	JP 5037074 B2	26/09/2012		