

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference UP-161655-59	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/CN2016/082013	International filing date (<i>day/month/year</i>) 13 May 2016	(Earliest) Priority Date (<i>day/month/year</i>)
Applicant 3M INNOVATIVE PROPERTIES COMPANY et al		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:

the international application in the language in which it was filed.

a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. **Certain claims were found unsearchable** (see Box No. II).

3. **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. _____

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b. none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2016/082013

A. CLASSIFICATION OF SUBJECT MATTER		
C09J 183/04(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)		
C09J		
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)		
WPI, EPODOC, CNPAT, CNKI: thermal+, residue?, temperature+, adhes+, siloxane, heat+, primer?, process+, tape?, mask+		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 101346448 A (3M INNOVATIVE PROPERTIES COMPANY) 14 January 2009 (2009-01-14) the abstract, description, page 6, line 6 - page 9, line 24, page 22, line 3 - page 23, line 27	1-5, 7-15, 17-23
Y	CN 101346448 A (3M INNOVATIVE PROPERTIES COMPANY) 14 January 2009 (2009-01-14) the abstract, description, page 6, line 6 - page 9, line 24, page 22, line 3 - page 23, line 27	6,16
Y	US 5512650 A (MINNESOTA MINING & MFG. CO.) 30 April 1996 (1996-04-30) the abstract, description, column 2, line 28 - column 7, line 10	6,16
A	JP 2001139906 A (BEIERSDORF AG) 22 May 2001 (2001-05-22) the whole document	1-23
A	KR 20080067094 A (TAPEX INC.) 18 July 2008 (2008-07-18) the whole document	1-23
A	TW 201315786 A1 (TORAY ADVANCED MAT. KOREA INC.) 16 April 2013 (2013-04-16) the whole document	1-23
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> 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		Date of mailing of the international search report
19 January 2017		13 February 2017
Name and mailing address of the ISA/CN		Authorized officer
STATE INTELLECTUAL PROPERTY OFFICE OF THE P.R.CHINA 6, Xitucheng Rd., Jimen Bridge, Haidian District, Beijing 100088 China		LUO,Huijing
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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.

PCT/CN2016/082013

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
CN	101346448	A	14 January 2009	US	2007148475	A1	28 June 2007
				EP	1963456	A4	16 December 2009
				US	2008187750	A1	07 August 2008
				US	7371464	B2	13 May 2008
				US	2008199620	A1	21 August 2008
				US	8492486	B2	23 July 2013
				JP	4955701	B2	20 June 2012
				EP	1963456	B1	09 March 2011
				US	8236429	B2	07 August 2012
				CN	101346448	B	03 October 2012
				US	7947376	B2	24 May 2011
				US	2012295025	A1	22 November 2012
				US	2011189421	A1	04 August 2011
				US	8691391	B2	08 April 2014
				KR	20080080321	A	03 September 2008
				JP	2009521569	A	04 June 2009
				KR	101346946	B1	03 January 2014
				WO	2007075802	A3	16 August 2007
				AT	501204	T	15 March 2011
				WO	2007075802	A2	05 July 2007
EP	1963456	A2	03 September 2008				
US	2013288053	A1	31 October 2013				
DE	602006020615	E	21 April 2011				
US	5512650	A	30 April 1996	WO	9503354	A1	02 February 1995
				EP	0739372	A1	30 October 1996
				CA	2166321	A1	02 February 1995
				DE	69415176	T2	29 April 1999
				EP	0739372	B1	09 December 1998
				JP	3662583	B2	22 June 2005
				JP	H09501704	A	18 February 1997
				AU	7447487	A	24 December 1987
				JP	S633029	A	08 January 1988
				JP	2784761	B2	06 August 1998
				BR	8703101	A	08 March 1988
				ZA	8704414	B	22 February 1989
				AU	591989	B2	21 December 1989
				TR	24305	A	01 August 1991
				US	5214119	A	25 May 1993
				AR	244729	A1	30 November 1993
				US	5290615	A	01 March 1994
				US	5461134	A	24 October 1995
				KR	960009691	B1	23 July 1996
				KR	960009692	B1	23 July 1996
				JP	H08231726	A	10 September 1996
				JP	2799381	B2	17 September 1998
				CA	1339226	C	05 August 1987
				ES	2110391	T3	16 February 1998
				JP	H1060386	A	03 March 1998
				JP	3024678	B2	21 March 2000
				DE	3752135	T2	16 April 1998

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Information on patent family members

International application No.

PCT/CN2016/082013

Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)	Publication date (day/month/year)
				JP H10279915 A	20 October 1998
				JP 3075470 B2	14 August 2000
				JP H10310628 A	24 November 1998
				JP 2901236 B2	07 June 1999
				CA 1340655 C	13 July 1999
				HK 1011036 A1	22 September 2000
				EP 0250248 A2	23 December 1987
				EP 0250248 B1	05 November 1997
				EP 0250248 A3	12 April 1989
				EP 0737700 A2	16 October 1996
				EP 0737700 A3	18 December 1996
JP	2001139906	A	22 May 2001	DE 19952213 A1	27 September 2001
				EP 1095995 A2	02 May 2001
				EP 1095995 A3	23 May 2001
KR	20080067094	A	18 July 2008	None	
TW	201315786	A	16 April 2013	JP 2013084873 A	09 May 2013
				KR 101209552 B1	06 December 2012
				TW 1445786 B	21 July 2014
				JP 5548711 B2	16 July 2014