

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
6 January 2011 (06.01.2011)

(10) International Publication Number
WO 2011/002876 A3

PCT

(51) International Patent Classification:

C09J 4/02 (2006.01) *C08L 25/10* (2006.01)
C09J 125/10 (2006.01) *C09J 11/00* (2006.01)
C08L 33/06 (2006.01)

(21) International Application Number:

PCT/US2010/040587

(22) International Filing Date:

30 June 2010 (30.06.2010)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

12/495,139 30 June 2009 (30.06.2009) US

(71) Applicant (*for all designated States except US*):
HENKEL CORPORATION [US/US]; One Henkel
Way, Rocky Hill, Connecticut 06067 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **LEVANDOSKI, Susan, L.** [US/US]; 155 Wilderness Way, Bristol, Connecticut 06010 (US). **LITKE, Alan, E.** [US/US]; 380 Hitchcock Road, Unit 165, Waterbury, Connecticut 06705 (US). **LOVE, Teresa, A.** [US/US]; 20 Foothills Way, Bloomfield, Connecticut 06002 (US).

(74) Agents: **CUNNINGHAM, Marina, F.** et al.; McCormick, Paulding & Huber LLP, 185 Asylum Street, CityPlace II, Hartford, Connecticut 06103-3410 (US).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO,

DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

(88) Date of publication of the international search report:

5 May 2011

(54) Title: ULTRAFast HEAT/ROOM TEMPERATURE ADHESIVE COMPOSITION FOR BONDING APPLICATIONS

(57) Abstract: The present invention relates to curable compositions which are capable of safely and sufficiently bonding components of electrical devices. In particular, the invention relates to two-part, halogen-free curable compositions which are capable of rapidly curing at room temperatures as well as at elevated temperatures.



WO 2011/002876 A3

A. CLASSIFICATION OF SUBJECT MATTER*C09J 4/02(2006.01)i, C09J 125/10(2006.01)i, C08L 33/06(2006.01)i, C08L 25/10(2006.01)i, C09J 11/00(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)

C09J 4/02; C09J 5/00; C08F 279/00; C08F 2/16; C09J 133/10; C09J 161/32

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

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: , ,

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2009-009009 A2 (HENKEL CORPORATION et al.) 15 January 2009	1,2,5-13
Y	See claim 1, paragraphs [0028], [0033]-[0035], [0037], [0040],[0051], [0057], [0060]-[0067].	3,15,18
Y	US 4574142 A1 (CHARNOCK; RONALD S.) 04 March 1986 See column 1 lines 60-66, column 2 line 63, columns 5-6.	3,15,18
A	US 2004-0077766 A1 (RIA DE COOMAN et al.) 22 April 2004 See claim 13, paragraphs [0038], [0039].	1-19
A	US 5512608 A1 (BACHMANN; ANDREW G. et al.) 30 April 1996 See claims 12-20, column 13 line 22.	1-19



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 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

25 FEBRUARY 2011 (25.02.2011)

Date of mailing of the international search report

28 FEBRUARY 2011 (28.02.2011)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
Government Complex-Daejeon, 139 Seonsa-ro, Seo-gu, Daejeon 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

Choi Shin Hei

Telephone No.



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2010/040587

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2009-009009 A2	15.01.2009	CA 2693581 A1 CN 101688100 A WO 2009-009009 A3	15.01.2009 31.03.2010 15.01.2009
US 4574142 A1	04.03.1986	EP 0044166 A1 EP 0044166 B1 US 04451615A A	20.01.1982 20.10.1999 29.05.1984
US 2004-0077766 A1	22.04.2004	AT 446348 T CA 2440352 A1 DE 60234110 D1 EP 1239015 A1 EP 1427790 A1 EP 1427790 B1 JP 2004-522847 A JP 2004-522847 T MX PA03007993 A US 2007-0093600 A1 WO 02-070620 A1	15.11.2009 12.09.2002 03.12.2009 11.09.2002 16.06.2004 21.10.2009 29.07.2004 29.07.2004 02.04.2004 26.04.2007 12.09.2002
US 5512608 A1	30.04.1996	CA 2157574 C EP 0738286 A1 EP 0738286 B1 US 05385958 A WO 94-20544 A1	02.01.2001 19.03.1997 12.08.1998 31.01.1995 15.09.1994