### 503818604 05/10/2016 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3865253

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT			
CONVEYING PARTY DA	ATA					
		Name	Execution Date			
PUKUN ZHU			10/11/2013			
GINA HOANG	10/11/2013					
SHASHI GUPTA	10/11/2013					
ANDREW LAIB			10/11/2013			
RECEIVING PARTY DA	ТА					
Name:	HENKE	L CORPORATION				
Street Address:	ONE HENKEL WAY					
City:	ROCKY HILL					
State/Country:	CONNE					
Postal Code:	06067					
Property Type Application Number: 150		Number				
			-			
Application Number:	1	5010531				
Application Number: CORRESPONDENCE D Fax Number:	<b>ATA</b> (	860)571-5028				
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i>	ATA ( e sent to	5010531 860)571-5028 <b>the e-mail address first; if that is un</b>				
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i>	ATA ( e sent to provided;	860)571-5028				
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p	ATA ( e sent to provided; 8	5010531 860)571-5028 <i>the e-mail address first; if that is un</i> <i>if that is unsuccessful, it will be se</i>				
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name:	ATA ( e sent to provided; t t	15010531 860)571-5028 <i>the e-mail address first; if that is un</i> <i>f f that is unsuccessful, it will be sei</i> 8605715071 ricia.smith@henkel.com HENKEL CORPORATION				
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1:	ATA ( e sent to provided; t t	15010531 860)571-5028 <i>the e-mail address first; if that is un</i> ; <i>if that is unsuccessful, it will be sel</i> 3605715071 ricia.smith@henkel.com HENKEL CORPORATION DNE HENKEL WAY				
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name:	ATA ( e sent to provided; t t	15010531 860)571-5028 <i>the e-mail address first; if that is un</i> <i>f f that is unsuccessful, it will be sei</i> 8605715071 ricia.smith@henkel.com HENKEL CORPORATION				
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if µ</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	ATA ( e sent to provided; t t f	15010531 860)571-5028 <i>the e-mail address first; if that is un</i> ; <i>if that is unsuccessful, it will be sel</i> 3605715071 ricia.smith@henkel.com HENKEL CORPORATION DNE HENKEL WAY				
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1:	ATA ( e sent to provided; t t f	15010531 860)571-5028 <i>the e-mail address first; if that is un</i> <i>f f that is unsuccessful, it will be sei</i> 8605715071 ricia.smith@henkel.com HENKEL CORPORATION DNE HENKEL WAY ROCKY HILL, CONNECTICUT 06067				
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if µ</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NU	ATA ( e sent to provided; t t f	860)571-5028 the e-mail address first; if that is ung if that is unsuccessful, it will be sel 8605715071 ricia.smith@henkel.com HENKEL CORPORATION DNE HENKEL WAY ROCKY HILL, CONNECTICUT 06067 PT031607				
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUN NAME OF SUBMITTER:	ATA ( e sent to provided; t t f	860)571-5028 the e-mail address first; if that is un if that is unsuccessful, it will be sel 3605715071 ricia.smith@henkel.com HENKEL CORPORATION DNE HENKEL WAY ROCKY HILL, CONNECTICUT 06067 PT031607 STEVEN C. BAUMAN				
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUN NAME OF SUBMITTER: SIGNATURE:	ATA ( e sent to provided; t t f	860)571-5028 the e-mail address first; if that is un if that is unsuccessful, it will be sel 3605715071 ricia.smith@henkel.com HENKEL CORPORATION DNE HENKEL WAY ROCKY HILL, CONNECTICUT 06067 PT031607 STEVEN C. BAUMAN /Steven C. Bauman/				
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 1: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER: SIGNATURE: DATE SIGNED: Total Attachments: 4 source=PT031607_execut	ATA ( e sent to provided, t t f IMBER:	15010531         860)571-5028         the e-mail address first; if that is un         address first; if that         address first; if that				
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 1: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER: SIGNATURE: DATE SIGNED: Total Attachments: 4 source=PT031607_execut source=PT031607_execut	ATA ( e sent to provided, t t f IMBER:	860)571-5028 the e-mail address first; if that is un if that is unsuccessful, it will be set 3605715071 ricia.smith@henkel.com HENKEL CORPORATION DNE HENKEL WAY ROCKY HILL, CONNECTICUT 06067 PT031607 PT031607 STEVEN C. BAUMAN /Steven C. Bauman/ 05/10/2016				

# ASSIGNMENT

WHEREAS:

NAME(S) AND ADDRESS(ES) OF INVENTOR(S) **Pukun Zhu** 5 Carnation Irvine, CA 92618 U.S.A. Citizenship: China

**Gina Hoang** 11952 Medina Drive Garden Grove, CA 92840 U.S.A. Citizenship: United States of America

Shashi Gupta 217 Landmark Lane Tustin, CA 92782 U.S.A. Citizenship: United States of America

Andrew Laib 2001 Deerpark Dr. Apt. 739 Fullerton, CA 92831 U.S.A. Citizenship: United States of America

(hereinafter referred to as ASSIGNOR), has/have invented a certain invention entitled:

TITLE OF INVENTION

#### CONDUCTIVE DIE ATTACH FILM FOR LARGE DIE SEMICONDUCTOR PACKAGES AND COMPOSITIONS USEFUL FOR THE PREPARATION THEREOF

for which a patent application has been filed September 30, 2013 as U.S. Provisional Application No. 61/884,844; and

#### WHEREAS:

FULL NAME AND ADDRESS OF ASSIGNEE HENKEL CORPORATION One Henkel Way Rocky Hill, CT 06067 United States of America

Attorney Docket # PT031607

### ASSIGNMENT

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title and interest in, to and under said invention, and in, to and under a provisional patent application or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

#### NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be it known that for and in consideration of the payment by ASSIGNEE to ASSIGNOR of good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR, to the extent he or she has not already done so, hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest in, to and under said invention and said patent application in the United States including all priority rights related thereto and any Letters Patent obtained therefrom, together with all continuation, divisional, renewal, substitute, reissue or other United States patent applications that have been or may be filed on said invention.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale; and

ASSIGNOR further covenants and agrees that upon the request of ASSIGNEE and with no further consideration but at the expense of ASSIGNEE, ASSIGNOR will: promptly provide to ASSIGNEE all facts and documents relating to said invention or said patent application that are known or accessible to ASSIGNOR; testify in any interference, litigation or other proceeding relating to said invention or said patent application; and promptly execute and deliver to ASSIGNEE any and all papers, instruments or affidavits which may be necessary or desirable to apply for, obtain, maintain, issue or enforce patent protection for said invention or to vest title to said invention in ASSIGNEE.

IN WITNESS WHEREOF, I have hereunto set hand and seal:

21

- 2 -

## ASSIGNMENT

Attorney Docket # PT031607

	this	11	_ day of _	October	, 2013
Pukun Zhu			DE	3	
(Type Name of Inventor)		(S	IGNATURE O	FINVENTOR)	
State of CALIFORNIA	) ) ss:		' : '   :		
County of ORANGE	)				
On this <u>II</u> day of <u>Oct</u> the undersigned officer, perso whose name appears above purposes contained in the ins	onally appo e and ack	eared <b>Puk</b> nowledge	t <b>un Zhu</b> , ł d that he	known to me to executed the	o be the person
		$\bigcap$	t <u>no b</u>	les les	• •
		Notary Pi	ublic		
			ł		
				•	
******	******	******	******	****	
	this	<u> </u>	_ day of _	October	, 2013
Gina Hoang			Gina	Hono	1
(Type Name of Inventor)		(S	IGNATURE OI	FINVENTOR)	<u> </u>
State of CALIFORNIA	)				
County of ORANGE	ss: )		-* 		
On this <u>//</u> day of <u>//</u> the undersigned officer, per person whose name appears the purposes contained in the	rsonally ap above an	peared <b>0</b> d acknow	Sina Hoa	<b>ng</b> , known to	me to be the
		Jon	etus U	m	
		Nøtary Pi	ublic	1	
			1 - 1 1 - 1		
				*****	

- 3 -

 $\left| \frac{1}{2} \right| \leq 1$ 

### ASSIGNMENT

Attorney Docket # PT031607

	this//	_ day of _ October	, 2013
Shashi Gupta		Labriba	A.
(Type Name of Inventor)	6	SIGNATURE OF INVENTOR)	
State of CALIFORNIA	);; * )		
County of URANGE	ss: )		
On this <u>//</u> day of <u>00</u> the undersigned officer, pers person whose name appears the purposes contained in the	sonally appeared <b>S</b> above and acknow	hashi Gupta, known t	to me to be the
	(Jan	In ling	
	Notary P	ublic	
************	*****	******	
	this <u>, //</u>	_ day of _ <u>October</u>	, 2013
		c = 10	· · · · · · · ·
Andrew Laib (Type Name of Inventor)	· · ·	Ums In	<u> </u>
(Type Name of Inventor)	(2	IGNATURE OF INVENTOR)	
State of CALIFORNIA	) }		
County of ORANGE	ss: )	:	
On this <u>//</u> day of <u>//</u> the undersigned officer, pers person whose name appears the purposes contained in the	sonally appeared A above and acknow instrument.	vledged that he execut	o me to be the ed the same for
	Notary P	In Jon	
	. 4		
· · · · · · · · · · · · · · · · · · ·	******	*****	

- 4 -

PATENT REEL: 038528 FRAME: 0323

**RECORDED: 05/10/2016**