504164633 01/05/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4211310

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	CHANGE OF NAME

CONVEYING PARTY DATA

Name	Execution Date
MERCK ELECTRONIC MATERIALS LTD.	08/30/2016

RECEIVING PARTY DATA

Name:	MERCK PATENT GMBH	
Street Address:	FRANKFURTER STRASSE 250, 64293	
City:	DARMSTADT	
State/Country:	GERMANY	

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	7955784

CORRESPONDENCE DATA

Fax Number: (860)286-0115

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 8602862929

Email: usptopatentmail@cantorcolburn.com

Correspondent Name: JAMES J. MERRICK, CANTOR COLBURN LLP

Address Line 1: 20 CHURCH STREET, 22ND FLOOR

Address Line 2: 21C0388US

Address Line 4: HARTFORD, CONNECTICUT 06103

ATTORNEY DOCKET NUMBER:	21C0388US
NAME OF SUBMITTER:	JAMES J. MERRICK
SIGNATURE:	/James J. Merrick/
DATE SIGNED:	01/05/2017

Total Attachments: 14

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PATENT REEL: 041260 FRAME: 0210

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PATENT REEL: 041260 FRAME: 0211

CERTIFICATE OF ALL REGISTERED MATTERS (INCLUDING DELETED MATTERS) [FOR SUBMISSION]

Registry No.	05400)7			
Registration No.	110111-05	40074			
	4 . 7 4 . 4				Changed on
Company Name: Hoechst Industries Ltd.				Registered on	
		T . 1			Changed on March 5, 1998
C	lariant Industries	Lta.			Registered on March 13, 1998
	77 T31 - 4 1 - 3 - 4		1		Changed on September 30, 2004
A	Z Electronic Mat	eriais Korea Lu	!.		Registered on October 1, 2004
	lerck Electronic I	Antoniola I td			Changed on October 26, 2015
IV.	ierck Electronic i	vialeitais Liu.			Registered on October 27, 2015
TY	4-7, Cheongdam-	dona Gananam	-m-S	aoul	Changed on
		-			Registered on
7	Floor, 21, Teh	eran-ro 8-gil, (Jangn e	am-gu, Seoul (Shinwon Bldg.,	Changed on February 27, 2012
¥	eoksam-dong)				Registered on February 29, 2012
5	th Floor, 508, Teh	eran-ro, Gangna	ım-gu,	Seoul (Haeseong 2 Bldg.,	Changed on November 16, 2015
	aechi-dong)				Registered on December 31, 2015
Mathad of Natice:	Notice will be r	uhlished in the	Maei	l Business Newspaper which is	Changed on
Method of Notice.	ablished within the	e city of Seoul.	1,140,	, sometimes are the second of	Registered on
					Changed on
Par Value of Each S	hare: KRW 5,00	0			Registered on
					Changed on
Total Number of Au	thorized Shares	: 1,476,000 sha	res		Registered on
					Changed on November 24, 2005
		3,300,000 sha	res		Registered on December 7, 2005
					Changed on November 24, 2008
		8,000,000 shar	res		Registered on November 26, 2008
Type, Each Numb	or of Chara and	Total Number	of		Year, Month, Day of Change
Type, Each Numb	Issued Shares	IOIAI I IIIIIDOI		Amount of Paid-in Capital	Year, Month, Day of Registration
Total Number of I	ssued Shares	1,476,000 sha	res	, , , , , , , , , , , , , , , , , , , ,	Changed on
Common Shares	osuvu Ollai os	1,476,000 sha		KRW 7,380,000,000	Registered on
Total Number of I	anuad Charas	1,328,400 sha			Changed on August 23, 2004
1	sanca olivics	1,328,400 sha		KRW 6,642,000,000	Registered on August 23, 2004
Common Shares	1 Ob			11111 0,012,000,000	Changed on December 30, 2005
Total Number of I	ssued Snares	3,219,156 sha		KRW 16,095,780,000	Registered on December 30, 2005
Common Shares		3,219,156 sha		PARW 10,073,100,000	Changed on June 30, 2006
Total Number of I	ssued Shares	1,890,756 sha		TZDXX 0 470 700 000	
Common Shares		1,890,756 sha		KRW 9,453,780,000	Registered on June 30, 2006
Total Number of I	ssued Shares	10,000 shares			Changed on December 27, 2008
Common Shares		10,000 shares	3	KRW 50,000,000	Registered on December 29, 2008
Total Number of I	ssued Shares	2,000,000 sha	ares		Changed on April 29, 2011

This certificate may be verified to confirm that it is not forged or modified by scanning the barcode on the lower portion of this document or by visiting the Internet Registry Office (http://www.iros.go.kr) and inputting the issuance confirmation number in the menu of for confirming the issuance of the document.

Confirmation through the issuance number is permitted 5 times within 3 months from the date of issuance.

Confirmation Issuance No. 0075-AAQP-QGTW

Issued on June 9, 2016 - 1/6 -

00000230970090046500611101206101B9DABFEBC1F819670917 1 Issued on June 9, 2016 [Barcode]

PATENT

Registry No.	054007		
Common Shares	2,000,000 shares	KRW 10,000,000,000 Registered on April 29, 2011	
		Purpose	
1. Development and mar	nufacture of inorganic/org	anic fine chemicals, fine compound II photosensitive compounds, resins	
and derivatives thereof,	plastics and compounds	s thereof, photosensitive coating solutions, biochemically decomposed rs, fine ceramic goods and any other products (hereinafter the "Products")	
surfactants and derivativ	es thereoi, ni-tech polymer	S, line ceramic goods and any other products (hereination the Troducts) Changed on Nov. 1, 1992 Registered on >	
2 Promotion distribution	n, sale and export of the P	•	
2. I follotion, distributio	in, said and expert of me i	Changed on Nov. 1, 1992 Registered on >	
3 Import of the raw mat	terials and parts used for th	ne manufacture of the Products	
		Changed on Nov. 1, 1992 Registered on	
4. Any and every activity	y and business, directly or	indirectly, relevant or incidental to the foregoing	
	•	Changed on Nov. 1, 1992 Registered on >	
4. Leasing of real estate		<changed 2005="" 24,="" 7,="" dec.="" nov.="" on="" registered=""></changed>	
5 Leasing of real estate		<changed 1,="" 1992="" nov.="" on="" registered=""></changed>	
5. Acquisition and mana	gement of stocks and other	er securities <added 2005="" 24,="" 7,="" dec.="" nov.="" on="" registered=""></added>	
4. Any and every activit	y and business, directly or	indirectly, relevant or incidental to the foregoing	
		<changed 2005="" 24,="" 7,="" dec.="" nov.="" on="" registered=""></changed>	
	Ma	atters Regarding Officers	
		A. Honigmann Born on January 1, 1942	
	on August 5, 1993	Registered on [*] [*], [**]	
	on August 5, 1996	Registered on August 19, 1996	
	on August 5, 1999	Registered on August 12, 1999	
	March 20, 2002	Registered on April 3, 2002	
	March 20, 2002	Registered on April 3, 2002 Registered on April 1, 2003	
	Mach 24, 2003 ng Sik Lee 430515 *		
Director Dos		Registered on [*] [*], [**]	
Re-appointed	on August 5, 1993 on August 5, 1996	Registered on August 19, 1996	
Re-appointed	on August 5, 1999	Registered on August 12, 1999	
	March 20, 2002	Registered on April 3, 2002	
	March 20, 2002	Registered on April 3, 2002	
	September 30, 2004	Registered on October 1, 2004	
Representative Director	r Shin Gwon Kim	265-3, Nonhyeon dong, Gangnam-gu, Seoul	
Re-appointed	l on August 5, 1993	Registered on [*] [*], [**]	
Resigned on	March 2, 1995	Registered on March 14, 1995	
Director Yes	ong Se Chae 450222-*	*****	
Re-appointed	Re-appointed on March 16, 1992 Registered on [*] [*], [**]		
	Re-appointed on March 2, 1995 Registered on March 14, 1995		
	l on March 5, 1998	Registered on March 13, 1998	
	l on March 19, 2001	Registered on March 28, 2001	
	i on March 19, 2004	Registered on March 30, 2004	
Resigned on	July 31, 2004	Registered on August 4, 2004	

	 Confirmation Issuance No	o. 0075-AAQP-QGTW
00000230970090046500611101206101B9DABFEBC1F819670917	Issued on June 9, 2016	- 2/6 -
[Barcode]		

Regist	ry No.	054007	
Director	Shin	Gwon Kim 150701-*****	*
	e-appointed o	n August 5, 1993	Registered on [*] [*], [**]
Resigned on February 15, 1996			Registered on March 5, 1996
Statutory A	uditor Jin E	ok Kim 360511-*****	
R	e-appointed o	n February 26, 1993	Registered on [*] [*], [**]
		n March 2, 1995	Registered on March 14, 1995
R	e-appointed of	n March 10, 1997	Registered on March 21, 1997
R	e-appointed of	n March 9, 2000	Registered on March 17, 2000
		on March 24, 2003	Registered on April 1, 2003
		September 30, 2004	Registered on October 1, 2004
Director -	Gern	nany Hermann Kren	ner Born on November 21, 1950
		on August 5, 1993	Registered on [*] [*], [**]
		eptember 30, 1995	Registered on October 10, 1995
Director		nany Karl-Pampus	Born on October 17, 1958
		on August 5, 1993	Registered on [*] [*], [**]
		ehmary 15 1996	Registered on March 5, 1996
		Germany Fred	erik A. Honigmann 1-315, Hannam-dong, Yongsan-gu, Seoul
R	Re-appointed	on August 5, 1993	Registered on [*] [*], [**]
R	Re-appointed	on August 5, 1996	Registered on August 19, 1996
R	Re-appointed	on August 5, 1996	Registered on August 19, 1996
R	Re-appointed	on August 5, 1999	Registered on August 12, 1999
Representa	tive Director	- Germany Fred	erik A. Honigmann Born on January 1, 1942
748-8, Han	mam-dong, Y	ongsan-gu, Seoul	
F	Re-appointed	on August 5, 1999	Registered on November 15, 2000
(Address chan	ged on March 13, 1996)	
Ė	Resigned on N	Aarch 20, 2002	Registered on April 3, 2002
A	Appointed on	March 20, 2002	Registered on April 3, 2002
F	Resigned on N	Mach 24, 2003	Registered on April 1, 2003
Director	Ger	many Peter Blum	Born on December 5, 1939
Į.	Appointed on	March 10, 1994	Registered on [*] [*], [**]
F	Resigned on F	February 15, 1996	Registered on March 5, 1996
Director			122.*****
1	Appointed on	February 15, 1996	Registered on March 5, 1996
1	Re-appointed	on August 5, 1996	Registered on August 19, 1996
]	Re-appointed	on August 5, 1999	Registered on August 12, 1999
]	Resigned on I	March 20, 2002	Registered on April 3, 2002
		March 20, 2002	Registered on April 3, 2002
]	Resigned on J		Registered on August 4, 2004
Director		many W. Intertal	Born on June 19, 1946
	Appointed on	February 15, 1996	Registered on March 5, 1996
]	Re-appointed	on August 5, 1996	Registered on August 19, 1996
		on August 5, 1999	Registered on August 12, 1999
1	Resigned on l	March 20, 2002	Registered on April 3, 2002
	Appointed on	March 20, 2002	Registered on April 3, 2002

	Confirmation Issuance No	o. 0075-AAQP-QGTW
00000230970090046500611101206101B9DABFEBC1F819670917	Issued on June 9, 2016	- 3/6 -
[Barcode]		

	054007	
Registry No.	054007	
Dismissed on	September 30, 2004	Registered on October 1, 2004
	nany Jay Vogt -	Born on March 27, 1946
	February 15, 1996	Registered on March 5, 1996
Re-appointed	on August 5, 1996	Registered on August 19, 1996
Re-appointed	on August 5, 1999	Registered on August 12, 1999
Resigned on N	March 20, 2002	Registered on April 3, 2002
Annointed on	March 20, 2002	Registered on April 3, 2002
Resigned on N	March 24, 2003	Registered on April 1, 2003
	tzerland Peter Bara	ndenberg Born on April 22, 1947
	March 18, 1999	Registered on April 1, 1999
Retired on Ma	arch 20, 2002	Registered on April 3, 2002
Director Swi	tzerland Herbert Be	
	March 18, 1999	Registered on April 1, 1999
Apponited on Re-annointed	on March 20, 2002	Registered on April 3, 2002
Diemissed on	September 30, 2004	Registered on October 1, 2004
Representative Director	Dong Sik Lee	430515 ******
25 405 Gaeneri (Ant.)	712-3, Yeoksam-dong, Ga	
Annointed or	May 30, 2001	Registered on June 7, 2001
Appointed on	March 20, 2002	Registered on April 3, 2002
Appointed or	March 20, 2002	Registered on April 3, 2002
Appointed on	Dong Sik Lee	430515 ******
Kepresentative Director	ork O Jeongia dong Rung	lang-gu, Seongnam-si, Gyeonggi-do
Address char	nged on June 11, 2003	Registered on June 13, 2003
Dismissed or	September 30, 2004	Registered on October 1, 2004
	rmany Albrecht	
Director Ge	March 24, 2003	Registered on April 1, 2003
Dismissed of	September 30, 2004	Registered on October 1, 2004
	n Jin Yu 510102-*	
	n March 24, 2003	Registered on April 1, 2003
Dismissed of	n September 30, 2004	Registered on October 1, 2004
Annointed of	n September 30, 2004	Registered on October 1, 2004
Pa-annointe	d on March 22, 2006	Registered on April 5, 2006
Ke-appointed	in Jin Yu 510102-*	
De ennointe	d on March 22, 2009	Registered on April 3, 2009
Re-appointe	d on March 22, 2009	Registered on March 29, 2012
Re-appointe	Sentember 30, 2014	Registered on October 7, 2014
Resigned on Representative Director	Germany	Albrecht Schefzig Born on July 7, 1957
#201 Noblesse Ville	657-172, Hannam-dong, Y	ongsan-gu. Sooul
#201, NODIOSSO VIIIA,	on March 24, 2003	Registered on April 1, 2003
Appointed of Diamingoid of	n September 30, 2004	Registered on October 1, 2004
	ng Ha Yun 621009-	
		Registered on October 1, 2004
Appointed of	on September 30, 2004	Registered on March 25, 2005
Resigned or	n March 22, 2005 nited Kingdom	Robert James Campbell Easton Born on March 10, 1963
Director U		- RADAFI HITTEN CATHOUGH EUGION

	 Confirmation Issuance No	. 0075-AAQP-QGTW
00000230970090046500611101206101B9DABFEBC1F819670917	Issued on June 9, 2016	- 4/6 -
[Barcode]		

Appointed on September 30, 2004 Re-appointed on March 22, 2006 Inside Director United Kingdom Re-appointed on March 22, 2009 Resigned on March 26, 2010 Representative Director Min Jin Yu Appointed on September 30, 2004 Re-appointed on March 22, 2009 Resigned on March 26, 2010 Representative Director Min Jin Yu Appointed on September 30, 2004 Re-appointed on March 22, 2006 Re-appointed on March 22, 2006 Re-appointed on March 22, 2006 Re-appointed on March 22, 2009 Representative Director Min Jin Yu Stolloz******* #504, Bidg. 424, 95, Tancheon ro, Bundang gu, Seongnam si, Gyeonggi do (Areum-maeul, Imae-dong) Re-appointed on March 22, 2012 Representative Director Min Jin Yu #701, Bidg. 106, 50, Pangyo ro, Bundang gu, Seongnam si, Gyeonggi do (Pangyowon maeul, Pangyo dong) Address changed on May 27, 2013 Resigned on September 30, 2014 Registered on October 1, 2004 Registered on March 22, 2012 Registered on March 22, 2012 Registered on March 22, 2006 Resigned on March 22, 2006 Re-appointed on March 22, 2006 Re-appointed on March 22, 2006 Re-appointed on March 22, 2006 Resigned on Agril 3, 2009 Resigned on March 26, 2010 Resigned on Agril 3, 2009 Re			7
Re-appointed on March 22, 2006 Inside Director United Kingdom Re-appointed on March 22, 2009 Resigned on March 22, 2009 Resigned on March 22, 2009 Resigned on March 26, 2010 Representative Director Min Jin Yu 424-504, Areum maeul, 132, Imae dong, Bundang gu, Seongnam si, Gyeonggi-de Appointed on September 30, 2004 Re-appointed on March 22, 2006 Re-appointed on March 22, 2009 Representative Director Min Jin Yu #504, Bldg. 424, 95, Tancheon ro, Bundang gu, Seongnam si, Gyeonggi-do (Areum-maeul, Imae-dong) Re-appointed on March 22, 2012 Representative Director Min Jin Yu #701, Bldg. 106, 50, Pangyo-ro, Bundang gu, Seongnam si, Gyeonggi-do (Pangyowon maeul, Pangyo-dong) Address changed on May 27, 2013 Resigned on September 30, 2014 Resigned on September 30, 2014 Re-appointed on March 22, 2006 Resistered on April 3, 2009 Registered on April 5, 2006 Registered on April 5, 2006 Registered on April 5, 2006 Registered on March 25, 2005 Registered on March 25, 2005 Registered on April 5, 2006 Registered on April 9, 2010 Registered on April 9, 2010 Registered on April 9, 2010 Representative Director United States Yong Hyeon Kim Re-appointed on March 22, 2009 Resigned on March 26, 2010 Representative Director United States Yong Hyeon Kim Re-appointed on March 26, 2010 Representative Director United States Yong Hyeon Kim Resigned on April 9, 2010 Representative Director United States Yong Hyeon Kim Regi	egistry No.	054007	
Re-appointed on March 22, 2006 Inside Director United Kingdom Re-appointed on March 22, 2009 Resigned on March 26, 2010 Representative Director Min Jin Yu 424-504, Areum maeul, 133, Imae dong, Bundang gu, Seongnam si, Gyeonggi do Appointed on March 22, 2006 Re-appointed on March 22, 2009 Representative Director Min Jin Yu ##504, Bldg. 424, 95, Tancheon ro, Bundang gu, Seongnam si, Gyeonggi do (Areum maeul, Imae dong) Re-appointed on March 22, 2012 Representative Director Min Jin Yu ##504, Bldg. 424, 95, Tancheon ro, Bundang gu, Seongnam si, Gyeonggi do (Areum maeul, Imae dong) Re-appointed on March 22, 2012 Representative Director Min Jin Yu ##701, Bldg. 106, 50, Pangyo ro, Bundang gu, Seongnam si, Gyeonggi do (Pangyowon maeul, Pangyo-dong) Address changed on May 27, 2013 Resigned on September 30, 2014 Statutory Auditor Seong Cheel Hong Appointed on March 22, 2006 Re-appointed on March 22, 2006 Registered on April 3, 2009 Registered on April 5, 2006 Registered on April 9, 2010	Appointed on Sept	ember 30, 2004	Registered on October 1, 2004
Inside Director United Kingdom Re-appointed on March 22, 2009 Resigned on March 22, 2009 Resigned on March 26, 2010 Representative Director Min Jin Yu 424-504, Areum maeul, 133, Imae dong, Bundang gu, Seongnam-si, Gyeonggi-do Appointed on September 30, 2004 Re-appointed on March 22, 2009 Registered on October 1, 2004 Re-appointed on March 22, 2009 Representative Director Min Jin Yu #504, Bldg. 424, 95, Tancheon-ro, Bundang gu, Seongnam-si, Gyeonggi-do (Areum-maeul, Imae-dong) Re-appointed on March 22, 2012 Representative Director Min Jin Yu #701, Bldg. 106, 50, Pangyo-ro, Bundang gu, Seongnam-si, Gyeonggi-do (Pangyowon-maeul, Pangyo-dong) Address changed on May 27, 2013 Resigned on September 30, 2014 Registered on June 7, 2013 Resigned on September 30, 2014 Registered on October 7, 2014 Statutory Auditor Seong Cheel Hong Appointed on March 22, 2006 Re-appointed on March 22, 2005 Re-appointed on March 22, 2006 Re-appointed on March 22, 2006 Resigned on March 22, 2006 Registered on April 3, 2009 Registered on April 3, 2009 Registered on April 5, 2006 Registered on April 5, 2006 Registered on April 5, 2006 Registered on March 25, 2005 Registered on March 25, 2005 Registered on March 25, 2005 Registered on April 5, 2006 Registered on April 9, 2010	Re-appointed on M	arch 22, 2006	Registered on April 5, 2006
Re-appointed on March 22, 2009 Resigned on March 26, 2010 Representative Director Appointed on September 30, 2004 Re-appointed on March 22, 2006 Re-appointed on March 22, 2009 Representative Director Representative Director Min Jin Yu S10102 ******** **504, Alreum maeul, 133, Imae dong, Bundang gu, Seongnam si, Gyeenggi de Appointed on March 22, 2006 Re-appointed on March 22, 2009 Representative Director Min Jin Yu S10102 ******** #504, Bldg. 424, 95, Tancheon ro, Bundang gu, Seongnam si, Gyeenggi do (Areum maeul, Imae dong) Re-appointed on March 22, 2012 Representative Director Min Jin Yu S10102 ******** #701, Bldg. 106, 50, Pangyo ro, Bundang gu, Seongnam si, Gyeenggi do (Pangyowon maeul, Pangyo dong) Address changed on May 27, 2013 Resigned on September 30, 2014 Resignered on October 7, 2014 Statutory Auditor Seong Cheel Hong Appointed on March 22, 2006 Re-appointed on March 22, 2006 Re-appointed on March 22, 2006 Re-appointed on March 22, 2005 Resigned on March 28, 2011 Director United States Yong Hyeon Kim Re-appointed on March 22, 2006 Resigned on March 26, 2010 Registered on April 3, 2009 Registered on April 9, 2010 Director France Fran	Director United K	ingdom I	(COOTE Fairles Camporn = m-1-1-1
Resigned on March 26, 2010 Representative Director Min Jin Yu 510102 ******** 424 504, Areum macul, 132, Imac dong, Bundang gu, Seongnam si, Gyeonggi do Appointed on September 30, 2004 Re-appointed on March 22, 2006 Re-appointed on March 22, 2009 Representative Director Min Jin Yu #504, Bldg. 424, 95, Tancheon ro, Bundang gu, Seongnam si, Gyeonggi do (Areum macul, Imac dong) Re-appointed on March 22, 2012 Representative Director Min Jin Yu 510102 ******* #701, Bldg. 106, 50, Pangyo-ro, Bundang gu, Seongnam si, Gyeonggi do (Pangyowon macul, Pangyo dong) Address changed on May 27, 2013 Resigned on September 30, 2014 Statutory Auditor Seong Cheel Hong Appointed on September 30, 2004 Re-appointed on March 22, 2006 Re-appointed on March 22, 2006 Re-appointed on March 22, 2009 Resigned on March 22, 2009 Resigned on March 22, 2005 Re-appointed on March 22, 2005 Re-appointed on March 22, 2005 Re-appointed on March 22, 2006 Re-appointed on March 22, 2005 Re-appointed on March 22, 2005 Re-appointed on March 22, 2006 Re-appointed on March 22, 2006 Re-appointed on March 22, 2006 Re-appointed on March 22, 2005 Re-appointed on March 22, 2006 Re-appointed on March 22, 2006 Registered on April 3, 2009 Registered on Apr	Re-appointed on M	arch 22, 2009	
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Appointed on September 30, 2004 Re-appointed on March 22, 2006 Re-appointed on March 22, 2009 Representative Director Min Jin Yu #504, Bldg. 424, 95, Tancheon ro, Bundang gu, Seongnam si, Gyeonggi do (Areum maeul, Imae-dong) Re-appointed on March 22, 2012 Representative Director Min Jin Yu #510102 ******** #504, Bldg. 424, 95, Tancheon ro, Bundang gu, Seongnam si, Gyeonggi do (Areum maeul, Imae-dong) Re-appointed on March 22, 2012 Representative Director Min Jin Yu #701, Bldg. 106, 50, Pangyo ro, Bundang gu, Seongnam si, Gyeonggi do (Pangyowon-maeul, Pangyo-dong) Address changed on May 27, 2013 Resigned on September 30, 2014 Statutory Auditor Seong Cheel Hong Appointed on March 22, 2004 Re-appointed on March 22, 2006 Re-appointed on March 22, 2009 Resigned on March 22, 2009 Resigned on March 22, 2005 Re-appointed on March 22, 2006 Inside Director United States Yong Hyeon Kim Re-appointed on March 22, 2009 Resigned on March 22, 2006 Registered on April 3, 2009 Registered on April 9, 2010	entative Director	Min-Jin-Yu	
Appointed on September 30, 2004 Re-appointed on March 22, 2009 Representative Director Min Jin Yu #504, Bldg. 424, 95, Tancheon ro, Bundang gu, Seongnam si, Gyeonggi do (Areum maeul, Imae dong) Re-appointed on March 22, 2012 Representative Director Min Jin Yu #701, Bldg. 106, 50, Pangyo-ro, Bundang gu, Seongnam si, Gyeonggi do (Pangyowon maeul, Pangyo dong) Address changed on May 27, 2013 Resigned on September 30, 2014 Statutory Auditor Appointed on March 22, 2006 Re-appointed on March 22, 2006 Re-appointed on March 22, 2006 Re-appointed on March 28, 2011 Director United States Appointed on March 22, 2005 Re-appointed on March 22, 2006 Resigned on March 22, 2009 Resigned on March 26, 2010 Piractor France Appointed on April 3, 2009 Registered on April 9, 2010 Registered on April 9, 2010	4-Areum-maeul. 133	Imae-dong, Bundang	r gu, Seongnam-si, Gyeonggi-do
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Director France Jean Francois Felix Born on October 24, 1969	Resigned on Mar	ch 26, 2010	
		Jean Fran	
Appointed on August 2, 2007 Registered on August 21, 2007		zust 2, 2007	Registered on August 21, 2007
Registered on April 9, 2010	Resigned on Mar	-h 26 2010	Registered on April 9, 2010
Inside Director United Kingdom Jeffrey Wild Born on June 3, 1950	Director United	Kingdom -	Jeffrey Wild Born on June 3, 1956
Appointed on March 26, 2010 Registered on April 9, 2010	Appointed on Ma		Registered on April 9, 2010
Postired on March 26, 2013 Registered on March 27, 2013	Datired on March	26 2013	Registered on March 27, 2013
Inside Director United Kingdom Kenneth John Great Bach Born on December 17, 1948		Kingdom Kenneth	John Great Bach Born on December 17, 1948
Appointed on March 26, 2010 Registered on April 9, 2010	Appointed on M	rch 26, 2010	Registered on April 9, 2010
Registered on September 7, 2011 Registered on September 7, 2011	Resigned on Aug	ust 31, 2011	Registered on September 7, 2011
Statutory Auditor Australia David William Rial Born on October 4, 1964	tory Auditor Austra	ia David W	
Appointed on May 11, 2011 Registered on May 16, 2011	Appointed on M		Registered on May 16, 2011
Reampointed on March 14, 2014 Registered on March 26, 2014	Re-appointed on	March 14, 2014	Registered on March 26, 2014
Registered on February 13, 2015 Registered on February 13, 2015	Destand on You	10m/ 21 2015	Registered on February 13, 2015
Inside Director United Kingdom Michael Andrew Powell Born November 30, 1967	le Director United	Kingdom Michael	Andrew Powell Born November 30, 1967
Appointed on September 1, 2011 Registered on September 7, 2011	Annointed on Se	otember 1, 2011	Registered on September 7, 2011

	 Confirmation Issuance No	o. 0075-AAQP-QGTW
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Registry No.	054007		
Resigned on J	une 25, 2013	Registered on June 27, 2013	
Inside Director Swi			Ì
	March 26, 2013	Registered on March 27, 2013	
	anuary 31, 2015	Registered on February 13, 2015	
Inside Director Ger		ernd Mayer Born on April 13, 1958	
Appointed on		Registered on June 27, 2013	İ
	anuary 31, 2015	Registered on February 13, 2015	
	many Michael G	rund Born on January 5, 1968	
Appointed on	October 1, 2014	Registered on October 7, 2014	
Representative Director		Michael Grund Born on January 5, 1968	
19, Jangmun-ro 6-gil, Y	ongsan-gu, Seoul (Dongbir	nggo-dong)	
	October 1, 2014	Registered on October 7, 2014	
Inside Director Ger	many Thomas C	arl Georg Snay Born on October 12, 1972	
Appointed on	February 12, 2015	Registered on February 13, 2015	
Inside Director Ky	ung Jae Lee 580405-**	*****	ı
Appointed on	February 12, 2015	Registered on February 13, 2013	
Statutory Auditor Jae	Hong Jung 600427-**	*****	
Appointed or	February 12, 2015	Registered on February 13, 2015	
		Other Matters	1

Other Matters

1. Merger

Merger with AZ Electronic Materials Korea Holdings Limited located at 84-7, Cheongdam-dong, Gangnam-gu, Seoul Registered on December 30, 2005

Date of Incorporation of the Company

August 5, 1987

Reason for and Date of Opening of Registry

Transferred from the older registry in accordance with the provision of Article 2(1) of Addendum of the Procedural Laws for Commercial Registration

Registered on Jan. 3, 1995

Fee KRW 1,000 received.

Intentionally left blank hereinafter -

Competent Registry Office: Registration Department, Seoul Central District Court / Issuing Registry Office: Registry Information Central Management Center, Ministry of Court Administration

I hereby certify that this certificate is the same as the registry records. [However, matters regarding branch offices and managers which are not requested and ineffective matters are omitted]

June 9, 2016

Registry Information Central Management Center, Ministry of Court Administration Officer in charge of Electronic Operation [seal affixed]

* Letters blocked out by lines are deleted (changed or corrected) items. * A certificate of registered matters can be printed in color.

This certificate may be verified to confirm that it is not forged or modified by scanning the barcode on the lower portion of this document or by visiting the Internet Registry Office (http://www.iros.go.kr) and inputting the issuance confirmation number in the menu of for confirming the issuance of the document.

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Confirmation Issuance No. 0075-AAQP-QGTW

00000230970090046500611101206101B9DABFEBC1F819670917 1 Issued on June 9, 2016 - 6/6 -[Barcode]

PATENT

등기사항전부증명서(말소사항 포함)[제출용]

등기번호	054007												
등록번호	110111-0540074												
상 호 4	상 호 훽스트산업 주식회사												
	등기 1998.03.05 변경 1998.03.13 등기												
-	2004,09.30 변경 2004,10.01 등기												
T	2004.10.01 8기 2015.10.26 변경 2015.10.27 등기												
본 점	머크일렉트로닉머티리얼즈 주식회사 본 점 서울 강남구 청담동 84-7												
	선물특별시 강남구 태해란로8질 21, 7층(역삼동, 신원빌딩)												
	서울특별시 강남구 테헤란로 508, 5층(대치동, 해성2빌딩)												
공고방법	공고방법 서울시내에서 발행하는 일간 매일경제신문에 게재한다.												
1주의 금인	1주의 금액 금 5,000 원												
발행할 주	식의 총수 1,476,0 0) 0 주		변경 등기									
	3,300,00)0 주		2005,11,24 변경 2005,12,07 등기									
	8,000,00)0 주		2008.11.24 변경 2008.11.26 등기									
	발행주식의 총 그 종류 및 각각		자본금의 액	변경연월일 등기연월일									
발행주식의 보통주식		1,476,000 주 	금 7,380,000,000 원	변경 등기									
발행주식으 보통주식	· 총수	1,328,400 주 1,328,400 주	급-6,642,000,000-원	2004.08.23 변경 2004.08.23 등기									
발행주식의 보통주식	· 총수	3,219,156 주 3,219,156 주	금 -16,095,780,000 -원	2005.12.30 변경 2005.12.30 등기									
발행주식으 보통주식	· 총수	1,890,756 주 1,890,756 주	급 9,453,780,000 원	2006.06.30 변경 2006.06.30 등기									
보행주식으 보통주식	· 총수	10,000 주 10,000 주 10,000 주	급 50,000,000 원	2008.12.27 변경 2008.12.29 등기									
보행주식의 발행주식의	총수	2,000,000 주	T 20120001000 II	2011.04.29 변경									

[인터넷 발급] 문서 하단의 바코드를 스캐너로 확인하거나, 인터넷등기소(http://www.iros.go.kr)의 발급확인 메뉴에서 발급확인번호를 입력하여 위 • 변조 여부를 확인할 수 있습니다. 발급확인번호를 통한 확인은 발행일부터 3개월까지 5회에 한하여 가능합니다.

00000230970090046500611101206101B9DABFEBC1F819670917 1 발행일:2016/06/09

발급확인번호 0075-AAQP-QGTW - 1/6 -



PATENT

등기번호 054007

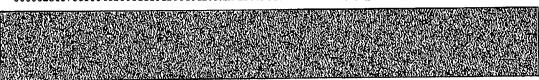
발행주식의 총수와 그 종류 및 각각의 수	자본금의 액	변 경 연 월 일 등 기 연 월 일
보통주식 2,000,000 주	금 10,000,000,000 원	2011.04.29 등기

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	목	적			
1.무기및 유기의 정밀 화학물질,꾀	파인콤파운드이 감광성	! 혼합물			
질,수지밎 그 유도체,프라스틱투	류및 그 혼합물,감광성	도포제,			
생화학적 분해 가능한 계면활성		테크 중합			
체,정밀요업제품및 기타 수시로	. 결정하는 제품				
("제품")의 개발및 제조		<1992.11.01	변경	• •	등기>
2.제품의 국내판매촉진,유통및 판	:매와 외국으로의 수출	t .	*		
		<1992.11.01			등기>
3.제품의 제조에 사용되는 원료및	부품의 수입	<1992.11.01			동기>
4. 각호에 관련된 부대사업		<1992.11.01			둥기>
4. 부동산임대업		<2005.11.24	변경	2005, 12, 07	등기>
5. 부동산임대업-		<1992.11.01	변경		등기>
5. 주식 등 유가중권의 취득 및 국	관리	<2005,11,24		2005.12.07	<u> 등기></u>
6 위 각호의 부대사업 일체		<2005.11.24	변경	2005.12.07	등기>

<u> </u>		
	임원에 관한 사	항
이시 독일연방공화국인, 후레드	-리에이호니그만 1942.1.1	1.생
	F임 년 월	일 등기
1996 년 08 월 05 일 중		19 일 등기
1999 년 08 월 05 일 중		12 일 등기
2002 년 03 월 20 일 시		03 일 등기
2002 년 03 월 20 일 취	부임 2002 년 0 4 월	03 일 등기
2003 년 03 월 24 일 시	<u> 1 </u>	01 일 등기
이시 이동식 430515 ******		
1993 년 08 월 05 일 중	중임 년 월	일 등기
1996 년 08 월 05 일 중		19 일 등기
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	도천 265-3	
	중임 년 월	일 동기
	<u> 1995 년 03 월</u>	14 일 등기
이시 체영세 450222-***		
	중임 년 월	일 등기
	중임 1995년 03월	14 일 등기
	중임 1998년 03월	13 일 등기
	중임 2001년 03월	28 일 등기
	* •-	30 일 등기
2004 년 07 월 31 일 스	<u> </u>	04 일 등기
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발급확인번호 0075-AAQP-QGTW - 2/6 -

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둥기번호		0	540	07													
이사 감신:	71_1	5076)1-+	***		 ·											İ
1993		08 -		05 9		중임		년		월		일	둥기				
1996		02		15		사임	1996		03	월	05	일	둥기				
감시 김진				****													
1993	•	02		26		중임		년		월		힏	둥기				
1995		03		02		중임	1995		03	월	14	일	둥기				
1997	_	03 -	_	10 4		중임	1997	년	03	월	21	일	둥기				,
2000		03		09 4		중임	2000	년	03	월	17	일	둥기				
2003		03 ·		24		중임	2003	년	04	월	01	일	둥기				
2004		09 .		30		해임	2004	년	10	월	01	일	둥기				
이사 독일	लम्	7 5	17			만그래	마 1950.	11.	21 : ²	}_							
1993			월	05		중임		년		월		일	둥기				
1995		09		30		사임	1995	년	10	월	10	일	둥기		.,		
이사 독일					날땀		958.10.										
1993			월	05		중임		년		월		일	둥기				
1996	-	02			일	사임	1996			월	05		둥기		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
대표이사						후레드	리에이호	나	고만	-사	8 8	산	한남 :	. 315			
1993				05		중임		년		월		일	등기				
1996			월	05		중임	1996	3 년		월	19		등기				
1996		08		05		중임	1996	3 년		월		일	등기				
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태포이사	독원] (1)) , 공	최국	-6] -	후레드	리에이3	1	그만~	194	2.1.	1.4	ll 서울	용산구			
1999		08		05	일	중임(1996.3.	13.	주소	변경	∄)		2000 년	. 11	15 £] 등기	
2002	년	03	월	20		사임					03						
2002	년	03	월	20	일	취임	200			월					*		
2003	년	03	월	24		사임		3 년		월	01	일	<u> 등기</u>				
이사 독일	शि	19.	화국	. 6) - 7	파티	불림 1	.9 39,12,	5. 4	 				 -1				
1994	년			10		취임		년		월		일					
1996	년	02	월	15		<u>사임</u>	199	6 년	03	월	05	일	둥기				
이사 김영	진			***							^-	۸1	F:1				
1996	년	02		15		취임		6 K	_	월		일					
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이사 독일						유인되			19, ય			۰ ۸۱	E-1				
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둥기번호		(0540	007]								
2004 \	4	09	원	30	입	해임	2004	प्र	10	웜	01	일	둥기	
이시 독일(
1996			월	15		취임	1996		03	월	05	일	둥기	
1996			월	05		중임	1996		08	월	19	일	둥기	
1999		08		05		충임	1999		08	월	12	일	둥기	
2002 1		03		20		사임	2002	년	04	월	03	일	동기	
2002		03		20		취임	2002	년	04	월	03	일	둥기	
2003 1	_	03		24		사임	2003	년	04	월	01	일	둥기	
이사 스위:		(인	피트	世	ો લી	케르크 1	947.4.	22.	} —					
1999			월	18	일	취임	1999	년	04		01	일	둥기	
2002 '		03	월	20	일	퇴임	2002	년	04	월	03	일	둥기	
이사 소위.	<u> </u>			트	불만	1943.3.	15. 생							
1999				18	일	취임	1999		04		01		둥기	
2002	년	03	월	20	일	중임	2002		04		03		둥기	
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대표이사	9 5	5-4	430	515 -	-444	**** ~	을 강남						_	35-405
2001	년	05		30		취임	2001	_	06		07		동기	
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대표이사	아동					**** 성기	함시 분	6 7	78 ;	자동				분당 101-1305
2003		06			일	주소변			3 년				3일	
2004	년_	09	월	30		해임	2004		10	월	01	일	둥기	
이사 독일						프 <u>작 19</u>	57 , 7 ,	7.7	}-	۸1	0.1	۸۱	= -1	1
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이사 유민					****			د		۵۱	01	۸ì	= ~	1
2003			월		일	취임	2003			월		일		
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사내이사			-			**** ** ^1	000	, ,,	Δ4	,a,ì	۸٥	일	둥기	1
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2014	면	09	월	30	일	사임	2014	<u>년</u>	77 7	월	10	효	17 ž	l 남동 657-172 노불레스빌라 20
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						해임	200	<u>* U</u>	10	_ =	0,1	<u> </u>		1
이사 윤경						⊷ 취임	ኃ ስስ	4 น _ี	10	(\$)	<u>0</u> 1	ච	둥기	า
2004						서입 사임					25			
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동기번호
            054007
                                 10월 01일
                                            등기
   2004 년 09 월 30 일 취임
                           2004 년
   2006 년 03 월 22 일 중임
                           2006 년 04 월 05 일
                                            등기
사내이사 영국인 로버트제임스캠벨이스톤 1963, 3, 10.생-
                           2009년 04월 03일
                                            둥기
   2009 년 03 월 22 일 중임
                           2010 년 04 월 09 일
   2010 년 03 월 26 일 사임
                                            둥기
대표이시 유민진 510102 ******* 성남시 분당구 이매동 133 이름마을 424-504
                           2004 년 10 월 01 일 등기
   2004 년 09 월 30 일 취임
                           2006 년
                                 04 월 05 일
                                            동기
   2006 년 03 월 22 일 중임
                           2009 년 04 월 03 일 등기
   2009 년 03 월 22 일 중임
대표이시 유민진 510102 ******* 경기도 성남시 분당구 탄천로 95, 424동 504호(이매동, 이름마을
                           2012 년 03 월 29 일 등기
   2012 년 03 월 22 일 중임
대표이시 유민진 510102 ******* 경기도 성남시 분당구 판교로 50, 106동 701호(판교동, 판교원마
<del>을)</del>
                              2013 년 06 월 07 일 등기
   2013 년 05 월
              27 일 주소변경
                           2014 년 10 월 07 일 등기
   2014 년 09 월
               30 일
                    사임
<del>감시 홍성철 620505</del>
                           2004 년 10 월 01 일 등기
   2004 년 09 월 30 일
                    취임
                           2006 년 04 월
                                       05 일
   2006 년 03 월 22 일 중임
                                             둥기
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                                       03 일
   2009 년 03 월 22 일 중임
                           2009 년 04 월
                           2011 년
                                  05 월
                                       16 일
                                             등기
               28 일
                    사임
   2011 년 03 월
이사 마합증국인 김용현 1968.5.27.생
                           2005 년 03 월 25 일
                                             등기
   2005 년 03 월 22 일 취임
                           2006 년 04 월 05 일
   2006 년 03 월 22 일 중임
시내이시 미합중국인 김용현 1968.5.27.생
                           2009 년 04 월 03 일
                                             동기
   2009 년 03 월 22 일 중임
                                       09 일
                           2010 년 04 월
   2010 년 03 월
               26 일 사임
이사 프랑스국인 장프랑소아펠릭스
                         <del>- 1969 : 10 : 24 : 생</del>-
                           2007년 08월 21일
                                             둥기
   2007 년 08 월 02 일 취임
                           2010 년 04 월
                                       09 일
   2010 년 03 월 26 일 사임
                                             등기
<del>시내이시 영국인 제프리와일드 1956.06.03.생</del>
                           2010 년 04 월 09 일 등기
   2010 년 03 월 26 일 취임
                           2013 년 03 월 27 일
   2013 년 03 월
               26 일 퇴임
시내이시 영국인 케네쓰존그레이트배치 1948.12.17.생
                           2010 년 04 월 09 일
   2010 년 03 월 26 일 취임
                            2011 년 09 월 07 일
                                             등기
   2011 년 08 월 31 일 사임
<del>잠사 호주국인 데이비드윌리엄리알(David William Rial) 1964년 10월 4일생</del>
                           2011 년 05 월 16 일 등기
   2011 년 05 월 11 일 취임
                                            둥기
   2014 년 03 월 14 일 중임
                            2014 년 03 월 26 일
               31 일
                            2015 년 02 월 13 일
                                             둥기
   2015 년 01 월
                    사임
사내이시 영국인 미이클앤드류파웰 1967년 11월 30일생
                            2011 년 09 월 07 일 등기
   2011 년 09 월 01 일 취임
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발급확인번호 0075-AAQP-QGTW 00000230970090046500611101206101B9DABFEBC1F819670917 1 발행일:2016/06/09 - 5/6 -

PATENT

등기번호	054007					
2013 \	선 06월 25일	사임 2013		27 일 ·	둥기	
사비이사 :	스위스국인 리코비	덴브르크 1970년	3월 14일			
2013 4		취임 2013			등기	
2015 ዓ		사임 2015			동기	
사비이사	독일국인 미하헬베	른트미이어 1958	년 4월 139	일 생-		
2013 4	션 06월 25일	취임 2013	년 06월		둥기	
	<u> 연 01 월 31 일</u>	사임 2015		13 일	등기	
	독일국인 미하엘그	문트 1968년 1월	. 5일생			
2014 \	<u> </u>	취임 2014	년 10월		<u> 둥기</u>	
대표이사 원	독일국인 미하엘그	룬트 1968년 1월	. 5일생 서	울특별시	용산구 장문로6길	19(농빙고농)
	<u> 전 10월 01일</u>		년 10 월		등기	
	독일국인 토마스칼		1972년 10년	월 12일생		
	<u>년 02 월 12 일</u>		<u>년 02월</u>	13 일	능기	
1 ' ' ' '	이경재 580405-***				- -1	
2015		취임 2015	년 02월	13 일	둥기	
감사 정재		*) -)	-3 00 0	10.01	= -1	
2015	<u>년 02 월 12 일</u>	취임 2015	<u>년 02월</u>	13 일	둥기	

기 타 사 항

1. 흡수합병 서울 강남구 청담동 84-7 에이지일렉트로닉머터리얼스코리아홀딩스 유한회사를 합병 2005 년 12 월 30 일 등기

회사성립연월일

1987 년 08 월 05 일

등기기록의 개설 사유 및 연월일

상업등기처리규칙 부칙 제2조 제1항의 규정에 의하여 구등기용지로 부터이기 1995 년 01 월 03 일 등기

수수료 1,000원 영수함

--- 이 하 여 백 ---

관할등기소 : 서울증앙지방법원 등기국 / 발행등기소 : 법원행정처 등기정보증앙관리소

이 증명서는 동기기록의 내용과 틀림없음을 증명합니다. [다만, 신청이 없는 지점·<u>지배인에</u> 전산운영책임관 중인민들 관한 사항의 기재를 생략하였습니다]

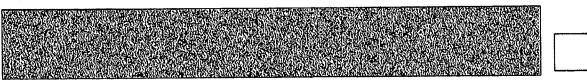
서기 2016년 06월 09일 법원행정처 등기정보중앙관리소

* 실선으로 그어진 부분은 말소(변경,경정)된 등기사항입니다. * 등기사항증명서는 컬러로 출력 가능함. [인터넷 발급] 문서 하단의 바코드를 스캐너로 확인하거나, 인터넷등기소(http://www.iros.go.kr)의 발급확인 메뉴에서 발급확인번호를 입력하여 위 · 변조 여부를 확인할 수 있습니다. 발급확인번호를 통한 확인은 발행일부터 3개월까지 5회에 한하여 가능합니다.

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PATENT

ASSIGNMENT

WHEREAS, Merck Electronic Materials Ltd., a corporation organized and existing under the laws of the Republic of Korea, having a place of business at 5th Floor, Haesung-2-Building, Teheran-Ro 508, Gangnam-ku, Seoul, Korea (hereinafter referred to as "ASSIGNOR") is the owner of the entire right, title and interest in the following invention and United States Patent 7,955,784 titled "Photoresist Composition And Method Of Manufacturing A Thin-Film Transistor Substrate Using The Same," which claims priority to Korean Patent Application No. 2005-102942, filed on Oct. 31, 2005 (hereinafter referred to as the "INVENTION," "PATENT," and "APPLICATION," respectively):

WHEREAS, Merck Patent GmbH (hereinafter referred to as "ASSIGNEE"), a corporation organized and existing under the laws of Germany, having a place of business at Frankfurter Strasse 250, 64293 DARMSTADT, Germany; is desirous of acquiring an interest in any and all countries, in and to the INVENTION, the PATENT, the APPLICATION and any and all Patents to be obtained therefor;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, I, the ASSIGNOR, have assigned and transferred, and hereby assigns and transfers unto ASSIGNEE, the entire right, title and interest in and to the INVENTION, the PATENT, the APPLICATION, and any and all Patents that may be issued therefrom, in any and all countries, including any and all revivals, refilings, continuations, continuations-in-part, divisions and reissues thereof, to ASSIGNEE; and I do hereby agree that I will execute all papers necessary in connection with any and all patent applications when called upon to do so by ASSIGNEE, its successors or assigns, and that I will, at the cost and expense of ASSIGNEE, fully assist and cooperate in all matters in connection with any and all patent applications and Patents issuing thereon.

The undersigned declares that all statements made herein of his or her own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title

18 of the United States Code and that such willful false statements may jeopardize the validity of the APPLICATION or any Patents issuing therefrom.

Merok Electronic Materials Ltd.

Name: Dr. Michael Grund

Title: lapresentative Director / Managing Director

Date: 2016/08/30