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	Form PTO-1595 (Rev. 07/05) OMB No. 0651-0027 (exp. 6/30/2008)		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
1		02/300	Attorney Docket No. 1204.45467X00
1	To the Director of the U.S. Patent and Tr.	se record the attached doo	Attorney Docket No. 1204.45467X00 cuments or the new address(es) below.
	1. Name of conveying party(ies): Ryoichi IKEZAWA, Naoki NARA, Hideyuki CHAKI Yoshihiro MIZUKAMI, Yoshinori ENDOU, Takaki KASHIHARA Fumio FURUSAWA, Masaki YOSHII, Shinsuke HAGIWARA Mitsuo KATAYOSE	2. Name and address	
	Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No		l, Nishishinjuku 2-chome, Shinjuku-ku kyo 163-0449
	3. Nature of conveyance/Execution Date(s): Execution Date(s) _September 12, 2005, September 12, 2005	Additional name(s)	& address(es) attached? ☐ Yes ☒ No
	☒ Assignment ☒ Merger ☒ Security Agreement ☒ Change of Name ☒ Joint Research Agreement ☒ Government Interest Assignment		
	Executive Order 9424, Confirmatory License Other		
	4. Application or patent numbers(s):	This document is being	g filed together with a new application.
~	A. Patent Application No.(s)	B. Patent Registration	n No.(s)
Ī	Additional number(s)	attached ☐ Yes ☒ No	
	Name and address of party to whom correspondence concerning document should be mailed:		cations and patents involved 1
	Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP	Authorized to be cha	
ł	Internal Address:	☐ Enclosed	arged to deposit account
	1300 NORTH 17 TH STREET – SUITE 1800	None required (gove	ernment interest not affecting title)
	City: ARLINGTON State: VA Zip 22209 Phone Number: 703-312-6000 Fax Number: 703-312-6666 Email Address: email@antonelli.com		4 Numbers1065 ration Date06/06
10/18/2005	MKAYPAGH 00000173 10552441	Authorized User Na	ume Alan E. Schiavelli
07 FC:8021	(40.00 DP)		
ļ	DO NOT US	E THIS SPACE	
1	William I. Solomon, Reg#28,565	mather and	10/07/2005

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:Mail Stop Assignment Recordation Services, director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

Total number of pages including cover sheet, attachments, and document: _3_

Name of Person Signing

PATENT REEL: 017834 FRAME: 0169

Date

ASSIGNMENT

ATTY. DOCKET NO .:

347 4 - 6 5

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter

referred to as the ASSIGNOR invented a certain improvement relating to ENCAPSULATING EPOXY RESIN MOLDING MATERIAL, AND SEMICONDUCTOR DEVICE for which an application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date. for which U.S. Application Serial No. for Letters Patent was filed in the U.S. Patent and Trademark Office on for which an International Application was filed on April 7, 2004 as PCT/JP2004/005004 , designating the United States.

HITACHI CHEMICAL CO., LTD.

AND WHEREAS

1-1, Nishishinjuku 2-chome, Shinjuku-ku, Tokyo 163-0449 Japan

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be

needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith. The undersigned hereby grant(s) the law firm of Antonelli, Terry, Stout, Kraus, LLP the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR.

201	FULL NAME OF SOLE OR FIRST NAMED INVENTOR RYOICHI IKEZAWA	INVENTOR'S SIGNATURE Ryorihi Skezawa	DATE September 12. 20	b s
202	FULL NAME OF SECOND JOINT INVENTOR Naoki NARA	INVENTOR'S SIGNATURE Naule Nav.	DATE September 12, 20	
203	FULL NAME OF THIRD JOINT INVENTOR Hideyuki Chaki	inventor's signature	DATE September 12, 20	D 5
204	FULL NAME OF FOURTH JOINT INVENTOR YOShihiro MIZUKAMI	INVENTOR'S SIGNATURE Yoshikiro Mizukani	DATE September 12, 20	0.5
205	FULL NAME OF FIFTH JOINT INVENTOR YOShinori ENDOU	inventor's signature Joshinori Condon	DATE September 12, 20	05
206	FULL NAME OF SIXTH JOINT INVENTOR Takaki KASHIHARA	INVENTOR'S SIGNATURE	DATE September 12, 20	o s
207	FULL NAME OF SEVENTH JOINT INVENTOR FURIO FURUSAWA	INVENTOR'S SIGNATURE J. Jurasans	September 12, 20	05

208	FULL NAME OF EIGHTH JOINT INVENTOR .	INVENTOR'S SIGNATURE	DATE]
	Masaki YOSHII	me Yoshin	September 12, 20	105
209	FULL NAME OF NINTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE	1
	Shinsuke HAGIWARA	5. Hair	September 12, 20	05
210	FULL NAME OF TNETH JOINT INVENTOR	INVENTOR'S SIGNATURE	PATENT	1
	Mitsuo KATAYOSE	Post one Calour RFFI . 017	12 12 12 12 12 12 12 12 12 12 12 12 12 1	05

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ASSIGNMENT

ATTY. DOCKET NO .:

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement relating to

ENCAPSULATING EPOXY RESIN MOLDING MATERIAL, AND SEMICONDUCTOR DEVICE

for which an application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date.

for which U.S. Application Serial No.

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hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all

renewals, reissues, reexaminations and extensions thereof.

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

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IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR.

201	FULL NAME OF SOLE OR FIRST NAMED INVENTOR RYOICHI IKEZAWA	INVENTOR'S SIGNATURE Rejoichi Shegawa	DATE September 12, 20	h 5
202	FULL NAME OF SECOND JOINT INVENTOR Naoki NARA	INVENTOR'S SIGNATURE Naula Nav.	DATE September 12, 20	
203	full name of third joint inventor Hideyuki CHAKI	INVENTOR'S SIGNATURE	DATE September 12, 20	05
204	FULL NAME OF FOURTH JOINT INVENTOR YOShihiro MIZUKAMI	INVENTOR'S SIGNATURE Yozhikizo Mizukani	DATE September 12, 20) 05
205	FULL NAME OF FIFTH JOINT INVENTOR YOShinori ENDOU	inventor's signature Joshinori Cindou	DATE September 12, 20) 05
206	FULL NAME OF SIXTH JOINT INVENTOR Takaki KASHIHARA	INVENTOR'S SIGNATURE	DATE September 12, 20	05
207	FULL NAME OF SEVENTH JOINT INVENTOR FURISAWA	INVENTOR'S SIGNATURE J. JURASCUNE	DATE September 12, 20	05

PATENT REEL: 017834 FRAME: 0171

208	FULL NAME OF EIGHTH JOINT INVENTOR Masaki YOSHII	inventor's signature Me Yoshie	DATE September	12,	200)5
209	full name of ninth joint inventor Shinsuke HAGIWARA	inventor's signature 5. Harry	DATE September	12,	200	35
210	FULL NAME OF THETH JOINT INVENTOR Mitsuo KATAYOSE	inventor's signature	DATE September	12,	200	3 5

PATENT REEL: 017834 FRAME: 0172

RECORDED: 10/07/2005