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U.S. DEPARTMENT OF COMMERCE
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To the Director of the United States Patent and Trademark Office. Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): Name and address of receiving party(ies): 1) Masaaki MIZUNO Name: Mitsubishi Chemical Corporation 2) Hirovuki HOSHINO Address: 33-8, Shiba 5-chome, Minato-ku 3) Michikazu HORIE Tokyo 108-0014 JAPAN Additional name(s) of conveying party(ies) attached?

Yes No 3. Nature of Conveyance: ☐ Merger Assignment ☐ Security Agreement ☐ Change of Name ☐ Other Execution Date: 1) May 7, 2004 Additional name(s) and address(es) attached? ☐ Yes ■ No 2) May 6, 2004 3) May 6, 2004 4. Application number(s) or patent number(s): This document is being filed together with a new application B. Patent No.(s) A. Patent Application No.(s) Additional numbers attached?

Yes No 5. Name and address of party to whom correspondence 6. Total applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Customer Number Enclosed ☐ Authorized to be charged to deposit account Tel. (703) 413-3000 8. Deposit account number: 15-0030 Fax. (703) 413-2220 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Frederick D. Vastine, Ph.D. Signature Name of Person Signing Registration Number: 27,013 Total number of pages including this cover sheet: 3 Do not detach this portion Mail documents to be recorded with required cover sheet information to: Director of the United States Patent and Trademark Office Mail Stop Assignment Recordation Services Alexandria, Virginia. 22313 07/25/2004 HTECKLU1 00000018 1052 40.00 OP 02 FC:8021

> PATENT REEL: 015631 FRAME: 0975

Assignment of Application

Page 1 of 2

WHEREAS, I (WE)	Masaaki Mizuno	, Hiroyuki Hoshino	and Michil	kazu Hor	ie		<u>,</u>
	all of: c/o Mitsub	oishi Kagaku Media	Co., Ltd.				
	31-19, Shiba 5-cl	31-19, Shiba 5-chome, Minato-ku, Tokyo, Japan					
				÷	_		
					A		
							, respectively,
have invented certa	n new and useful impr						
	MATION RECORDIN						
	ation for Letters Patent		May 7	and	6,	2004	
), and
WHEREAS,	Mitsubishi Chemical	Corporation					
(hereinafter referre	i to as "ASSIGNEE")	having a place of bu	usiness at:				
33-8, Shiba 5-cho	ne, Minato-ku, Tokyo	108-0014 Japan					
is desirous of acqu may be granted the	ring the entire right, tirefore in the United Sta	tle and interest in an attes and its territoria	nd to said i al possessio	nvention ons and ir	and in	n and to any and all foreig	Letters Patent that gn countries;
NOW. THERE	FORE, in consideration	on of the sum of F	IVE DOLI	LARS (\$	5.00),	the receipt	whereof is hereby

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

03/03

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, 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.

Date: _	May 7, 2004	Musaaki Wing
		(Signature of Inventor) Masaaki Mizuho
Date: _	May 6, 2004	(Signature of Inventor) Hiroyuki Hoshino
Date: _	May 6, 2004	michthan itarie
		(Signature of Inventor) Michikazu Horie
Date: _		(Signature of Inventor)
Date:		
		(Signature of Inventor)
Date: _		(Signature of Inventor)
Date:		
_		(Signature of Inventor)
Date: _		(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C. ATTORNEYS AT LAW 1940 DUKE STREET

ALEXANDRIA, VIRGINIA 22314

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RECORDED: 07/28/2004

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