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Atty Docket No.: 0050-1620-0

FORM PTO-1595 1-31-92 RECORDATION

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S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Pleas	e record the attached original documents or copy thereof.	
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):	
1. Akio UEDA 2. Yuichi FUJITA 3. Atashira ADACHI	Name: MITSUBISHI CHEMICAL CORPORATION	
3. Atsuhiro ADACHI 4. Hiroki EMOTO	Address: 5-2, Marunouchi, 2-chome Chiyoda-ku,	
Additional name(s) of conveying party(ies) attached? □Yes ■No	Tokyo 100-0005 JAPAN	
3. Nature of Conveyance: ■ Assignment		
☐ Security Agreement ☐ Change of Name ☐ Other		
Execution Date: December 1, 1999	Additional name(s) and address(es) attached? □Yes ■No	
4. Application number(s) or patent number(s):		
If this document is being filed together with a new application, the	execution date of the application is:	
A. Patent Application No.(s) 09/450,123	B. Patent No.(s)	
Additional numbers atta	ched? □Yes ■No	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total applications and patents involved: 1	
OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C. Attorneys at Law	7. Total fee (37 CFR 3.41): \$40.00 ■ Enclosed □ Authorized to be charged to deposit account	
Fourth Floor 1755 Jefferson Davis Highway Arlington, Virginia 22202	Deposit account number: 15-0030 (Attach duplicate copy of this page if paying by deposit account)	
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To the best of my knowledge and belief, the foregoing information of the original document.	on is true and correct and any attached copy is a true cop	
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PATENT REEL: 010577 FRAME: 0601

	WHEREAS, I (WE) Akio UEDA, c/o Mizushima Plant, Mitsubishi Chemical			
North the con-	Corporation, 3-10, Ushio-dori, Kurashiki-shi, Okayama, JAPAN; Yuichi			
INSERT NAMES AND RESIDENCE ADDRESSES OF THE INVENTORS:	FUJITA, c/o Mizushima Plant, Mitsubishi Chemical Corporation, 3-10			
	Ushio-dori, Kurashiki-shi, Okayama, JAPAN; Atsuhiro ADACHI, c/o Mizushima			
	Plant, Mitsubishi Chemical Corporation, 3-10, Ushio-dori, Kurashiki-shi,			
	Okayama, JAPAN; and Hiroki EMOTO, c/o Mizushima Plant, Mitsubishi			
	Chemical Corporation, 3-10, Ushio-dori, Kurashiki-shi, Okayama, JAPAN			
	, respectively,			
INSERT TITLE OF INVENTION:	have invented certain new and useful improvements in: PROCESS FOR PRODUCING			
	ALCOHOLS			
INSERT DATE IN- VENTORS SIGNED DECLARATION:	for which an application for Letters Patent was executed on			
	(Application No09/450,123, filedNovember 26, 1999), and			
INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE:	WHEREAS, MITSUBISHI CHEMICAL CORPORATION			
	(hereinafter referred to as "ASSIGNEE") having a place of business at: 5-2, Marunouchi			
	2-chame, Chiyoda-ku, Tokyo 100-0005 JAPAN ,			
	is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries:			

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.

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PATENT REEL: 010577 FRAME: 0602 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.

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 Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 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:	1/Dec./1999	A. Claur
	,	(Signature of Inventor) Akio UEDA
Date:	1 / Dec / 1999	J Tujita
		(Signature of Inventor) Yuichi FUJITA
Date:	1/Dec/1999	A. Adachi
		(Signature of Inventor) Atsuhiro ADACHI
Date:	1/ Dec/1999	H. Emoto
	,	(Signature of Inventor) Hiroki EMOTO
Date:		(Signature of Inventor)
Date:		
		(Signature of Inventor)
Date:		(Signature of Inventor)
Date:		
Date		(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTORNEYS AT LAW FOURTH FLOOR 1755 JEFFERSON DAVIS HIGHWAY ARLINGTON, VIRGINIA 22202

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PATENT REEL: 010577 FRAME: 0603