



U.S. DEPARTMENT OF COMMERCE

To the Honorable Commissioner of Patents and Trademarks. Please 22128844 uments or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Tomoki KAKIUCHI, Koji SEKIGUCHI, Takeshi SUEHIRO, Name: Kuraray Co., Ltd. Shuhei NAKAJI, Yoichi MATSUMOTO, Masato TAKAI, Address: 1621, Sakazu, Kurashiki-shi, Nozomu SUGO, and Hitoshi TSURUTA Okayama-ken, Japan Additional name(s) of conveying party(ies) attached? ☐Yes ☒No 3. Nature of Conveyance: ☐ Security Agreement ☐ Change of Name ☐ Other December 25, December 26, December 26, December 25, Execution Date: December 26, December 26, Additional name(s) and address(es) attached? □Yes ⊠No December 25, and December 25, 2000 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: B. Patent No.(s) A. Patent Application No.(s) 09/756,777 Additional numbers attached? □Yes ⊠No 3. Name and address of party to whom correspondence 6. Total applications and patents involved: concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 ☐ Authorized to be charged to deposit account 8. Deposit account number: 15-0030 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE natement and signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true

Norman F. Oblon

copy of the original document.

Name of Person Signing

Registration Number:

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Commissioner of Patents and Trademarks **Box Assignments**

Washington, D.C. 20231

PATENT

REEL: 012994 FRAME: 0753

	WHEREAS, I (WE) Tomoki KAKIUCHI, Koji SEKIGUCHI, Takeshi SUEHIRO,		
	Shuhei NAKAJI, Yoichi MATSUMOTO, Masato TAKAI of c/o Kuraray Co., Ltd.,		
NSERT NAMES IND RESIDENCE IDDRESSES OF THE INVENTORS:	1621, Sakazu, Kurashiki-shi, Okayama-ken, Japan and		
	Nozomu SUGO, Hitoshi TSURUTA of c/o Kuraray Co., Ltd., 2045-1, Sakazu,		
	Kurashiki-shi, Okayama-ken, Japan		
	, respectively,		
NSERT TITLE OF INVENTION:	have invented certain new and useful improvements in:		
	HOLLOW FIBER MEMBRANE AND PROCESS FOR PRODUCING THE SAME		
NSERT DATE IN- TENTORS SIGNED DECLARATION:	for which an application for Letters Patent was executed on		
	(Application No		
NSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE:	WHEREAS,Kuraray Co., Ltd.		
	(hereinafter referred to as "ASSIGNEE") having a place of business at:		
	1621, Sakazu, Kurashiki-shi, Okayama-ken, 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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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:	Dec. 25, 2000	Tomoki KAKIUCHI
Daic		(Signature of Inventor) Tomoki KAKIUCHI
Date:	Dec 26, 2000	Koji Sokiguchi
		(Signature of Inventor) Koji SEKIGUCHI
Date:	Dec. 26. 2000	Takeshi SUEHIRO (Signature of Inventor) Takeshi SUEHIRO
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Date:	Dec. 25. 2000	Shuhe, NAKAJI
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Date:	Dec. 26, 2000	Youthi Matsumoto
		(Signature of Inventor) Yoichi MATSUMOTO
Date:	Dec. 26, 2000	Masato Takar (Signature of Inventor) Masato TAKAI
		_
Date:	Dec. 25. 2000	(Signature of Inventor) Nozomu SUGO
		(Signature of Invensor) NOZOMU SUGÓ
	0 -F 2000	Hitoshi Tsuruta
Date:_	Dec. 25, 2000	(Signature of Inventor) Hitoshi TSURUTA

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