To the Director of the United States Patent and Trademark Office 1. Name of conveying party(ies): ZAIDAN HOJIN HANDOTAI KENKYU SINKOKA	e. Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): Name: TOHOKU UNIVERSITY Address: 2-1-1 Katahira, Aoba-ku Sendai-shi
	Name: TOHOKU UNIVERSITY Address: 2-1-1 Katahira, Aoba-ku Sendai-shi Miyagi 980-8577
ZAIDAN HOJIN HANDOTAI KENKYU SINKOKA	Address: 2-1-1 Katahira, Aoba-ku Sendai-shi Miyagi 980-8577
	No Sendai-shi Miyagi 980-8577
	No Miyagi 980-8577
Additional name(s) of conveying party(ies) attached? Yes	Japan
3. Nature of Conveyance:	
Assignment	
☐ Security Agreement ☐ Change of Name	
☐ Other Execution Date: March 31, 2008	Additional name(s) and address(es) attached? Yes No
4. Application number(s) or patent number(s):	100 miles salared (5) attached: 11 105 100
☐ This document is being filed together with a new application	
A. Patent Application No.(s)	B. Patent No.(s)
	5,021,936
Additional numbers atta	ached? Yes No
5. Name and address of party to whom correspondence	
concerning document should be mailed:	6. Total applications and patents involved: 1
Customer Number	7. Total fee (37 CFR 3.41): \$40.00
22850	■ Enclosed
ZZOJO Fel. (703) 413-3000	☐ Authorized to be charged to deposit account
Fax. (703) 413-2220	8. Deposit account number: 15-0030 (Attach duplicate copy of this page if paying by deposit account)
DO NOT USE ?	
9. Statement and signature	
To the best of my knowledge and belief, the foregoing informatic copy of the original document.	on is true and correct and any attached gopy is a true
	em alabe
Marvin J. Spivak Name of Person Signing Signing	gnature Date
Registration Number: 24,913	Date
Total number of pages including	To this cover cheet. 2
	and do not blicot. S
Do not detach t	this portion
Mail documents to be recorded with required cover sheet information	-

Director of the United States Patent and Trademark Office Mail Stop Assignment Recordation Services Alexandria, Virginia. 22313

> PATENT REEL: 021316 FRAME: 0434

08-07-25;07:05PM;SUZUYE

OBLON

;81335915248

8/11

<u>ASSIGNME</u>NT

WHEREAS, ZAIDAN HOJIN HANDOTAT KENKYUSINKOKAI of 519-1176, Aza Aoba, Aramaki, Aoba-ku, Sendai-shi, Miyagi 980-0845 Japan (formerly Aoba-ku, Sendai-shi, (Banchinashi) Kawauchi, Miyagi-ken, 980-0862, Japan), a corporation organized and existing under the laws of the Country of Japan is the sole and exclusive owner, by assignment, of the following Letters Patent of the United States of America;

PATENT NUMBER

ISSUE DATE

5,021,936

June 4, 1991

WHEREAS, TOHOKU UNIVERSITY of 2-1-1 Katahira, Aoba-ku, Sendai-shi, Miyagi 980-8577 Japan, a national university corporation organized and existing under the laws of the Country of Japan (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and to said Letters Patent;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00) and other valuable consideration, the receipt of which is hereby acknowledged, ZAIDAN HOJIN HANDOTAI KENKYU SHINKOKAI by these presents do sell, assign, and transfer unto ASSIGNEE the entire right, title and interest for the territory of the United States of America, in and to the aforesaid Letters Patent and the inventions described therein, and any reissue or reissues of said Letters Patent to the full end of the term for which said Letters have been granted or reissues may be granted, said inventions and Letters Patent to be held and enjoyed by the ASSIGNEE, and for the use and behoof of said ASSIGNEE, and for the use and behoof of their successors, assigns or other legal representatives, and for claims for damage by reasons of infringement past and present,

PATENT REEL: 021316 FRAME: 0435 JUL. 30. 2008 2:44PM OBLON SPIVAK NO. 698 P. 5

08-07-25;07:05PM;SUZUYE

OBLON

;81335915248 # 7/ 11

2

as fullly and entirely as the same would have been held by us had this Assignment and sale not been made.

IN TESTIMONY WHEREOF, ZAIDAN HOJIN HANDOTAL KENKYU SHINKOKAI has caused these presents to be signed by its officer thereunto duly authorized.

> ZAIDAN HOJIN HANDOTAI KENKYU SHINKOKAI

Date: 3/ March 2008

Title: Chief Director

PATENT **REEL: 021316 FRAME: 0436**

RECORDED: 07/30/2008