FORM PTO-1595 (Rev. 6-93)	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office		
RECO.			
MAY 2 6 2000 T			
	1384681 Attorney Docket No.: 044574-5004-01-US		
To the Commissioner of Tables and Trademarks: Please record the attached original documents or copy thereof.	ATTN: BOX ASSIGNMENT		
1. Name of conveying party(ies): Sulayman D. DIB-HAJJ and Stephen G. WAXMAN.	2. Name and address of receiving party(ies):		
Additional name(s) of conveying party(ies) attached?	Name: YALE UNIVERSITY		
Yes X No	Total Addition		
	Internal Address:		
3. Nature of conveyance:	Street Address: 451 College Street		
X AssignmentMerger			
Security Agreement Change of Name Other	City: New Haven State: Connecticut Zip: 06520		
Execution Dates: October 12, 1999.	Additional name(s) & address(es) attached? Yes X_ 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.(6) 09/354,147 filed July 16, 1999	B. Patent No.(s)		
Additional numbers attached: Yes X No			
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: _1		
Name: Mr. Reid G. Adler	7. Total fee (37 C.F.R §3.41): \$40.00 X Enclosed		
Internal Address: Morgan, Lewis & Bockius LLP	Authorized to be charged to deposit account 50-0310		
Street Address: Intellectual Property Support Unit 1800 M Street, N.W.	8. Deposit account number: 50-0310 Attach duplicate of page if paying by deposit account		
City: Washington State: D.C. Zip: 20036	Attach duplicate of page if paying by deposit account		
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.			
Thomas F. Poché May 26, 2000			
	Signature Date		
,			

PATENT REEL: 010854 FRAME: 0846

ATTORNEY DOCKET NO.: 044574-5004-0! JOINT INVENTION (Worldwide Rights)

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [berelnafter referred to as Assignor(s)], have made an invention entitled:

MODULATION OF SODIUM CHANNELS IN DORSAL ROOT GANGLIA

for which I/WE executed an application for United States Letters Patent concurrently herewith; or on _____; or filed a provisional application for United States Letters Patent on July 16, 1999, Serial No. 09/354_147; and

WHEREAS, Yale University, a corporation of Connecticut, whose post office address is 451 College St. New Haven CT 06520 (hereinafter referred to as Assignce), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, all provisionals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/WE have the full right to convey the interest assigned by this Assignment, and I/WE have not executed and will not execute any agreement in conflict with this Assignment;

AND. I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be forme by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I'WE have hereunto set our hand(s).		
County of		Sulayman D. DIB-HAII Full Name of Sole or First Assignor
Subscribed and sworn to before me this day of, 1999. Notary Public	SS.	Address Address First Assignor's Signature 10/12/95 Date
County of		Stephen G. WAXMAN Full Name of Second Assignor
Subscribed and sworn to before me this day of Notary Public	SS.	Second Assignor's Signature Date
Names of additional inventors attached [] Yes	ſa	x) No

1-WA/1295521 1

RECORDED: 05/26/2000

Morgan, Lewis & Bockius LLP

TOTAL P.03