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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Javier Ramon Echauz	03/30/2001
Brian Litt	04/12/2001
Rosana Esteller	03/30/2001
George John Vachtsevanos	03/30/2001

RECEIVING PARTY DATA

Name:	The Trustees of the University of Pennsylvania	
Street Address:	3160 Chestnut Street	
Internal Address:	Suite 200	
City:	Philadelphia	
State/Country:	PENNSYLVANIA	
Postal Code:	19104	

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	7146218

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ATTORNEY DOCKET NUMBER: 1080 1020.2

NAME OF SUBMITTER: John J. Timar

PATENT

REEL: 020339 FRAME: 0214

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Total Attachments: 4

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> PATENT REEL: 020339 FRAME: 0215

PATENT ASSIGNMENT

WHEREAS, the undersigned:

- Javier Ramón Echauz, a citizen of the United States of America, residing at 925 Canterbury Road, #305, City of Atlanta, and State of Georgia;
- **Brian Litt**, a citizen of the United States of America, residing at 232 Valley Road, City of Merion Station, and Commonwealth of Pennsylvania;
- Rosana Esteller, a citizen of the United States of America, residing at 3684 River Heights Crossing, City of Marietta, and State of Georgia; and
- George John Vachtsevanos, a citizen of the United States of America, residing at 1076 Woodruff Plantation, City of Marietta, and State of Georgia,

(hereinafter collectively referred to as "Assignors") have invented certain inventions and improvements disclosed in an application for Letters Patent entitled ADAPTIVE METHOD AND APPARATUS FOR FORECASTING AND CONTROLLING NEUROLOGICAL DISTURBANCES UNDER A MULTI-LEVEL CONTROL, which application was filed in the United States Patent and Trademark Office on December 12, 2000, under application Serial No. 09/735,364.

WHEREAS, The Trustees of the University of Pennsylvania, a non-profit corporation in the Commonwealth of Pennsylvania, having its principal place of business at 3700 Market Street, Suite 300, Philadelphia, is desirous of acquiring an interest in the same;

NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignors, by these presents do sell, assign and transfer unto **The Trustees of the University of Pennsylvania**, the full, exclusive and entire right, title and interest: (i) in and to all inventions and improvements disclosed and described in said application, (ii) in and to said application, (iii) in and to any divisional, continuation, and continuation-in-part applications describing in whole or in part the said inventions and improvements, preparatory to obtaining Patents of the United States therefor, (iv) in and to any reissues of the aforementioned, (v) in and to any provisional patent applications filed in the United States describing in whole or in part the said inventions and improvements, from which priority may be claimed under Title 35 of the United States Code, and (vi) in and to the right to claim any applicable foreign and domestic priority rights arising from such provisional patent applications; and Assignors do hereby request the Commissioner of Patents to

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issue any and all Patents of the United States resulting from said application, or from a division, continuation, continuation-in-part, or reissue thereof, to The Trustees of the University of Pennsylvania as Assignee, for its interest and for the sole use and behoof of The Trustees of the University of Pennsylvania and its assigns and legal representatives;

For the same consideration, Assignors by these presence do sell, assign and transfer to The Trustees of the University of Pennsylvania the full, exclusive and entire right, title and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Patents and similar protective rights granted on said foreign application, and in and to the right to claim any applicable priority rights arising from or required for said foreign application under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of The Trustees of the University of Pennsylvania and or its respective designees, insofar as permitted by applicable law;

AND, for the same consideration, Assignors do hereby agree to sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **The Trustees of the University of Pennsylvania** its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

Javier Ramón Echauz

Brian Litt

Rosana Esteller

George John Vachtsevanos

STATE OF GEORGIA	
COUNTY OF HENRY	
Before me, a Notary Public in and for the Configuration, 2001, personally appeared a same person whose name is subscribed to the for acknowledged that he signed, sealed and delivered act for the uses and purposes therein set forth. IN WITNESS WHEREOF, I have hereunton	the said Assignment as his free and voluntary
	Karen a Ford NOTARY PUBLIC
(SEAL)	My Commission Expires: COMMISSION EXPIRES JULY 4, 2014
COMMONWEATH OF PENNSYLVANIA	
COUNTY OF Philadelphia	
Before me, a Notary Public in and for the 1/2 day of 2/2, 2001, personall same person whose name is subscribed to the for acknowledged that he signed, sealed and delivered act for the uses and purposes therein set forth. IN WITNESS WHEREOF, I have hereunto	regoing Assignment, who being duly sworn the said Assignment as his free and voluntary
(SEAL)	NOTARY PUBLIC My Commission Expires: // /29/2004
	Til Commission Dapites. 11 10 1/2001

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STATE OF GROYGIA	
COUNTY OF HENRY	
Before me, a Notary Public in and for the Configuration, 2001, personally appeared I person whose name is subscribed to the fore acknowledged that he signed, sealed and delivered act for the uses and purposes therein set forth. IN WITNESS WHEREOF, I have hereunto (SEAL)	going Assignment, who being duly sworn the said Assignment as his free and voluntary
STATE OF GOVAIA	
STATE OF <u>Georgia</u> COUNTY OF <u>Henry</u>	
Before me, a Notary Public in and for the Conful (1) appeared to the same person whose name is subscribed to sworn acknowledged that he signed, sealed and devoluntary act for the uses and purposes therein set for IN WITNESS WHEREOF, I have hereunto set the sealed and the signed acknowledged that the signed are sealed and devoluntary act for the uses and purposes therein set for IN WITNESS WHEREOF, I have hereunto sealed and the sealed are sealed are sealed and the sealed are sealed ar	elivered the said Assignment as his free and orth.
(SEAL)	Kary a Ford NOTARY PUBLIC

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RECORDED: 01/09/2008

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PATENT REEL: 020339 FRAME: 0219

My Commission Expires: MCOMMISSION EPRES ALLY 4, 2004