Chine Sol	
DEC 2 6 2002	Pocket No.: A276-USA
Form PTO-1595	2003
(Rev. 03/01)	TU.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
	424
1. Name of conveying party(ies):	2. Name and address of receiving party(ies)
Joseph H. Schulman Chuck L. Byers Ralph M. Weisner	Name: Alfred E. Mann Foundation
La Canfield 12-26-02 Kate E. Fey	Internal Address: P.O. Box 905
Additional name(s) of conveying party(ies) attached? 🗋 Yes 🛛 No	Santa Clarita, California 91380-9005
3. Nature of conveyance:	
🛛 Assignment 🗆 Merger	
Security Agreement Change of Name	Street Address:
Other	
	City:State:Zip:
Execution Date:December 12, 2002	Additional name(s) & address(es) attached? 🗋 Yes 🛛 No
4. Application number(s) or patent number(s):	
If this document is being filed together with a new app	lication, the execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
10/116,619	
Additional numbers a	attached? 🗋 Yes 🛛 No
5.Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Alfred E. Mann Foundation	7. Total fee (37 CFR 3.41)\$40.00
Internal Address: P.O. Box 905	
Santa Clarita, California 91380-9005	Authorized to be charged to deposit account
	8. Deposit account number:
Street Address:	50-0692
City:State: Zip:	(Attach duplicate copy of this page if paying by deposit accoupt)
DO NOT US	E THIS SPACE
9. Statement and signature.	2008
is a true copy of the original document.	information is true and correct and any attached copy
Gary D. Schnittgrund, Reg. No. 42,130	13,2002 3 3 3
Name of Person Signing	Signature 6
	ver sheet, attachments, and document
Commissioner of Patents &	a Trademarks, Box Assignments on, D.C. 20231
	1/13/
	PATENT SS
	REEL: 013639 FRAME: 0597

PTO/SB/15 (08-00) Approved for use through 05/31/2002. OMB 0651-0027 Trademark Office; U.S. DEPARTMENT OF COMMERCE

Whereas, I, Joseph H. Schulman of Sana Clarita, California hereafter referred to as applicant, have invented certain new and useful improvements in ELECTRICALLY SENSING AND STIMULATING SYSTEM FOR PLACEMENT OF A NERVE STIMULATOR OR SENSOR Image: the sense of the sense would have been held by me had this assignment and sale not been made.		ASSIGNMENT OF APPLICATION	Docket Number (Optional) A276-USA
SENSING AND STIMULATING SYSTEM FOR PLACEMENT OF A NERVE STIMULATOR OR SENSOR Image: the sense of the sense sense of the sense of the sense of the sense of the se		Whereas, I, Joseph H. Schulman of _Santa Clarita, California	a, hereafter
for which an application for a United States Patent was filed on <u>April 4, 2002</u> Application Number <u>10 / 116,619</u> for which an application for a United States Patent was executed on <u>, and</u> Whereas, <u>Alfred E. Mann Foundation</u> of <u>Santa Clarita, California</u> herein referred to "assignee" whose post office address is <u>P.O. Box 905, Santa Clarita, CA 91380-9005</u> is de sirous of acquiring the entire right, title and interest in the same; Now, therefore, in consideration of the sum of <u>one</u> dollars (<u>\$ 1.00</u> the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents ar Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in art to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the ful end of the term for which said Patent may be granted, as fully and entirely as the same would have been		referred to as applicant, have invented certain new and useful improvem	ents in ELECTRICALLY
Application Number <u>10 / 116.619</u> for which an application for a United States Patent was executed on <u>,</u> and Whereas, <u>Alfred E. Mann Foundation</u> of <u>Santa Clarita, California</u> herein referred to "assignee" whose post office address is <u>P.O. Box 905, Santa Clarita, CA 91380-9005</u> is de sirous of acquiring the entire right, title and interest in the same; Now, therefore, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u> the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by the presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents ar Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in ar to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the ful end of the term for which said Patent may be granted, as fully and entirely as the same would have been		SENSING AND STIMULATING SYSTEM FOR PLACEMENT OF A NERVE STIMU	JLATOR OR SENSOR
Whereas,Alfred E. Mann FoundationofSanta Clarita, Californiaherein referred to "assignee" whose post office address isP.O. Box 905, Santa Clarita, CA 91380-9005is de sirous of acquiring the entire right, title and interest in the same; Now, therefore, in consideration of the sum ofonedollars (\$0) the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by the presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents ar Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in art to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the field of the term for which said Patent may be granted, as fully and entirely as the same would have been and of the term for which said Patent may be granted, as fully and entirely as the same would have been and behoof.		for which an application for a United States Patent was filed on Application Number $10 / 116,619$.	April 4, 2002 ,
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Now, therefore, in consideration of the sum of one dollars (\$1.00		"assignee" whose post office address isP.O. Box 905, Santa Clari	ta, CA 91380-9005 is de-
the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by the presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents ar Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in ar to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the file end of the term for which said Patent may be granted, as fully and entirely as the same would have bee		sirous of acquiring the entire right, title and interest in the same;	
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Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in ar to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the fi end of the term for which said Patent may be granted, as fully and entirely as the same would have bee		•	, ,
end of the term for which said Patent may be granted, as fully and entirely as the same would have bee		Trademarks to issue said United States Patent to said assignee, of the e	ntire right, title, and interest in an
		to the same, for his sole use and behoof; and for the use and behoof of h	nis legal representatives, to the fu
held by me had this assignment and sale not been made.		end of the term for which said Patent may be granted, as fully and entir	ely as the same would have bee
		held by me had this assignment and sale not been made.	
		executed this 2 day of December	2002
a xecuted this 2002			, ,,,
			1 Q Im
Egent Santa Clarita, California	- Bel	frage 1	t. Soluti
Fight Santa Clarita, California Joseph K. Solution		State of <u>California</u>) SS:	(Signature)
State of <u>California</u> SS:	<u></u>	Before me personally appeared said Joseph H. Schulman	- the
State of California SS: County of Los Angeles Joseph H. Schulman		and acknowledged the foregoing instrument to be his free act and deed this	far -
State of California SS: County of Los Angeles SS: Before me personally appeared said Joseph H. Schulman and acknowledged the foregoing instrument to be his free act and deed this JMAC	IJ	(Carrie	Mr. Hall
State of <u>California</u> State of <u>California</u> County of <u>Los Angeles</u> Before me personally appeared said <u>Joseph H. Schulman</u> and acknowledged the foregoing instrument to be his free act and deed this form		Seal	(Notary Public)

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents and Trademarks, Washington, DC 20231.

PTO/SB/15 (08-00) Approved for use through 05/31/2002. OMB 0651-0027 I Trademark Office; U.S. DEPARTMENT OF COMMERCE

ASSIGNMENT OF		Docket Number A27	(Optional) 6-USA
Whereas, I, Ralph M. Weisner	of <u>Santa Clarita, Calif</u>	fornia	, hereafte
referred to as applicant, have invented SENSING AND STIMULATING SYSTEM FO			LLY

	for which an application for a United States Patent was filed on	April 4, 2002
L	Application Number10 / 116,619	

	for which an application for a United States Patent was executed on	, and
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Whereas,	Alfred E. Mann Foundation	of	Santa Clarit	a, California	herein re	ferred to
"assignee" wh	ose post office address is	P.O	. Box 905, Santa C	larita, CA 91380	9-9005	_ is de-
sirous of acqu	iring the entire right, title and in	terest in t	he same;			
Now, therefore	e, in consideration of the sum o	f	one		_ dollars (\$_	<u> 1.00 </u>),
the receipt wh	ereof is acknowledged, and oth	ner good	and valuable co	onsideration, I,	, the applicant	, by these
presents do se	ell, assign and transfer unto sai	id assign	ee the full and	exclusive right	t to the said in	vention in
the United Sta	ates and the entire right, title an	d interes	t in and to any a	and all Patents	s which may b	e granted
therefor in th	ne United States, I hereby a	authorize	and request	the Commiss	sioner of Pat	tents and
Trademarks to	o issue said United States Pate	nt to said	assignee, of th	ie entire right,	title, and inter	est in and
to the same, f	or his sole use and behoof; and	l for the u	ise and behoof	of his legal re	presentatives,	to the full
end of the terr	m for which said Patent may be	e granteo	l, as fully and e	ntirely as the	same would h	nave been
held by me ha	d this assignment and sale not	been ma	de.			

T		executed this	12th	day of	December	, 2002,
Į	0104 Milori Luniy Lang	t Santa Clarita, Cal	ifornia			·
M.H.	n# 13 16 - Ci 16 - Ci			4	lalph m Wai	me
ARRI	y Publ	State of California) SS:		(Sig	jnature)
	Notar Notar	County of Los Angel Before me person	ally appeared said	Ralph M. Weisner		th -
		and acknowledge day of December	d the foregoing instru	ment to be his free	act and deed this 12	
14		- Seel		Ç	Carrie	M. Hale
と		Seal		_	(Nota	ary Public)

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents and Trademarks, Washington, DC 20231.

PTO/SB/15 (08-00) Approved for use through 05/31/2002. OMB 0651-0027 and Trademark Office; U.S. DEPARTMENT OF COMMERCE

	Docket Number (Optional) A276-USA
Whereas, I, David L. Canfield Of Santa Clarita, California	a, hereafter
referred to as applicant, have invented certain new and useful improvement	ents in ELECTRICALLY
SENSING AND STIMULATING SYSTEM FOR PLACEMENT OF A NERVE STIMU	JLATOR OR SENSOR
for which an application for a United States Patent was filed on Application Number $10 / 116,619$.	April 4, 2002
for which an application for a United States Patent was executed	d on, and
Whereas, Alfred E. Mann Foundation of Santa Clarita, C	alifornia herein referred to
"assignee" whose post office address is P.O. Box 905, Santa Clari	is de-
sirous of acquiring the entire right, title and interest in the same;	
Now, therefore, in consideration of the sum of one	dollars (\$ <u>1.00</u>)
the receipt whereof is acknowledged, and other good and valuable cons	ideration, I, the applicant, by these
presents do sell, assign and transfer unto said assignee the full and exc	clusive right to the said invention ir
the United States and the entire right, title and interest in and to any and	all Patents which may be granted
therefor in the United States, I hereby authorize and request the	e Commissioner of Patents and
Trademarks to issue said United States Patent to said assignee, of the e	entire right, title, and interest in and
to the same, for his sole use and behoof; and for the use and behoof of I	his legal representatives, to the ful
end of the term for which said Patent may be granted, as fully and entir	rely as the same would have beer
held by me had this assignment and sale not been made.	

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents and Trademarks, Washington, DC 20231.

PTO/SB/15 (08-00) Approved for use through 05/31/2002. OMB 0651-0027 Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

	ASSIGNMENT OF			unless it displays a valid OMB control number Docket Number (Optional) A276-USA
Whereas, I	Kate E. Fey	of_S	Santa Clarita, California	, hereafter
referred to	as applicant, have invented c	ertain new an	d useful improvements	s in ELECTRICALLY
SENSING A	ND STIMULATING SYSTEM FO	R PLACEMENT	OF A NERVE STIMULA	TOR OR SENSOR
	which an application for a Ur plication Number <u>10</u> / <u>11</u> which an application for a Ur	6,619		
				,
Whereas,	Alfred E. Mann Foundation	<u>n</u> of	Santa Clarita, Califo	ornia herein referred to
"assignee"	whose post office address is	P.C). Box 905, Santa Clarita, C	CA 91380-9005 is de-
sirous of a	equiring the entire right, title a	and interest in	the same;	
Now, there	fore, in consideration of the s	sum of	one	dollars (\$ <u>1.00</u>),
the receipt	whereof is acknowledged, a	nd other good	and valuable consider	ration, I, the applicant, by these
presents d	o sell, assign and transfer un	nto said assigr	nee the full and exclusi	ive right to the said invention in
the United	States and the entire right, ti	tle and interes	t in and to any and all	Patents which may be granted
therefor in	the United States, I her	eby authorize	and request the C	commissioner of Patents and
Trademark	s to issue said United States	Patent to said	d assignee, of the entir	re right, title, and interest in and
to the sam	e, for his sole use and behod	of; and for the	use and behoof of his	legal representatives, to the full
end of the	term for which said Patent n	nay be grante	d, as fully and entirely	as the same would have been
held by me	had this assignment and sal	le not been ma	ade.	
A Bexecuted t	his <u>125</u>	day of	December	, 2002,
520)	arita, California		_	
				32
State of 9	California SS:		<i>,</i>	(Signature)
Before m		ute E. Fey		· · · · · · · · · · · · · · · · · · ·
and ackn	owledged the foregoing instrume	ent to be his fre	e act and deed this $\int_{-\pi}$	ain
day or <u>be</u>	, 2002,		e act and deed this 	M. Hall
Seal				Notary Public)

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents and Trademarks, Washington, DC 20231.

PTO/SB/15 (08-00) Approved for use through 05/31/2002. OMB 0651-0027 Trademark Office: U.S. DEPARTMENT OF COMMERCE

	Fatent and trademark Onice; U.S. DEPARTMENT OF COMMERCI
Under the Paperwork Reduction Act of 1995	, no persons are required to respond to a collection of information unless it displays a valid OMB control numbe

			A276-USA
	Whereas, I, Charles L. Byers	of <u>Santa Clarita</u> , California	, hereafter
	referred to as applicant, have invented	certain new and useful improvemen	ts in ELECTRICALLY
	SENSING AND STIMULATING SYSTEM FOR	OR PLACEMENT OF A NERVE STIMUL	ATOR OR SENSOR
	Application Number10 /_1		
	i for which an application for a C	Jnited States Patent was executed o	n, and
	Whereas, Alfred E. Mann Foundati	on of Santa Clarita, Cali	fornia herein referred to
	"assignee" whose post office address i	P.O. Box 905, Santa Clarita,	CA 91380-9005 is de-
	sirous of acquiring the entire right, title	and interest in the same;	
	Now, therefore, in consideration of the	sum of one	dollars (\$1.00),
	the receipt whereof is acknowledged, a	and other good and valuable conside	eration, I, the applicant, by these
	presents do sell, assign and transfer u	into said assignee the full and exclu	sive right to the said invention in
	the United States and the entire right,	title and interest in and to any and a	Il Patents which may be granted
	therefor in the United States, I he	ereby authorize and request the	Commissioner of Patents and
	Trademarks to issue said United State	s Patent to said assignee, of the ent	ire right, title, and interest in and
	to the same, for his sole use and beho	oof; and for the use and behoof of his	legal representatives, to the full
	end of the term for which said Patent	may be granted, as fully and entirely	y as the same would have been
4.1 	held by me had this assignment and sa	ale not been made.	
	Executed this	day of December	2002
	at Santa Clarita, California		
otary Pub Los Ang Coma Eq		Clarks I	Pijers
	State of <u>California</u>) SS: County of <u>Los Angeles</u>) Before me personally appeared said <u>C</u> and acknowledged the foregoing instrum day of <u>December</u> , 2002.	Charles L. Byers	(Signature)
		(Carr	le mi man

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents and Trademarks, Washington, DC 20231.

PATENT REEL: 013639 FRAME: 0602

RECORDED: 12/26/2002