FORM P\* 0-159's (Modified) (Rev. 6-91)
OMB No: 0651-6611 (exp.4/94)
Copyright 1996-47 LegalStar
P084/REV02

01-21-1999

Docket No.: 48121

U.S DEPARTMENT OF COMMERC

Patent and Trademark Office

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parks. Please record the attached original documents as copy thereof

		arks Please record the attached original documents or copy thereof				
Name of conveying party(in Eduardo MARBAN	1-20-99	2. Name and address of receiving party(ies)				
Brian O'ROURKE		Name: Johns Hopkins University				
		Address: 2024 East Monument Street				
Additional names(s) of conveying p	arty(ies) 🔲 Yes 🔀 No	Suite 2-100				
3. Nature of conveyance:		- SEIN/EM				
△ Assignment	☐ Merger	DECEIVEN				
☐ Security Agreement	☐ Change of Name	e City: Hentimore AN 20 36 Sale/Prov.: MD				
☐ Other		County: USA ZIP: 21205				
Execution Date: May 22, 199	28	Additional name(s) & address(es)				
4. Application number(s) or re	gistration numbers(s):					
If this document is being file	ed together with a new applica	ation, the execution date of the application is:				
Patent Application No.	Filing date	B. Patent No.(s)				
09/060,774	April 15, 1998					
./21/1999 SIMBMS 00000048 0906	A774					
. FC:581	40.00 BP					
	Additional num	bers Yes 🛛 No				
5. Name and address of party concerning document shou	·	6. Total number of applications and patents in volved:				
Name: Peter F. Corless		7. Total fee (37 CFR 3.41):\$ 40.0%				
Registration No. 33,860		☑ Enclosed - Any excess or insufficiency should be				
Address: Dike, Bronstein,	Roberts & Cushman, LLP	credited or debited to deposit account				
130 Water Street		Authorized to be charged to deposit account				
· · · · · · · · · · · · · · · · · · ·	· · · · · -	8. Deposit account number:				
City: Boston	State/Prov.: MA	04-1105				
Country USA	ZIP: 02109					
DO NOT USE THIS SPACE						

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.

Peter F. Corless (Reg. No. 33,860)

Name of Person Signing

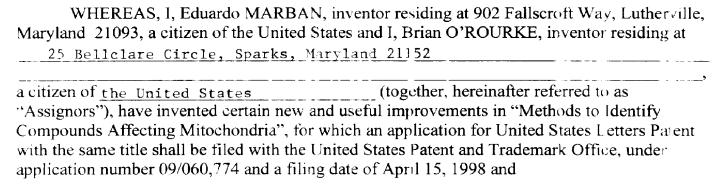
Signature
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**REEL: 9701 FRAME: 0859** 

FORM P 0-1595 (Modified)	-07-02-19	Docket No	U.S. DEPARTMENT OF COMMERC	
(Rev. 6-94) OMB No. 3651-0011 (exp.4/94) Copyright 1996-97 LegalStar P084/REV 02		HINE '	Patent and Trademark Offi	
Tab settings → → → ▼	$-\frac{1007539}{}$	96	<b>Y</b>	
To the Honorable Commissioner	of Patents and Trademarks			
1. Name of conveying party(ies): Eduard MARBAN Brian O'ROURKE		2. Name and address of rece		
Ditali (7 ROURKE		-	Name: Johns Hopkins University	
		Address: 2024 East Monu	ment Street	
Additional names(s) of conveying party(ies	) Yes 🛭 No	Suite 2-100		
3. Nature of conveyance:				
🛚 Assignment	☐ Merger	L.)		
☐ Security Agreement	☐ Change of Name	City Baltimore	State/Prov. MD	
C Other		Country: USA	ZIP: 2 0.205	
Execution Date: May 22, 1998		Additional name(s) & address(es)	☐ Yes ⊠ No	
4. Application number(s) or registrate	ion numbers(s):			
If this document is being filed tog	•	n, the execution date of the applic	cation ·s:	
	iling date	B. Patent No.(s)		
r atom / pphoation res.	iiiig dato	B. 1 atom 140.(3)		
	Additional numbers	☐ Yes 🗷 No		
5. Name and address of party to wh concerning document should be r	•	6. Total number of application	s and patents involved	
Name: Peter F. Corless		7. Total fee (37 CFR 3.41):	\$ 40,00	
Registration No. 33,860		☑ Enclosed - Any excess	or insufficiency should be	
Address: Dike, Bronstein, Robert	ts & Cushman, LLP	credited or debited to d		
130 Water Street		Authorized to be charge	ed to deposit account	
		8. Deposit account number:	•	
City: Boston	State/Prov.: MA		7.4 40.00	
Country: USA	ZIP: 02109	04-1 105	<del></del>	
	DO NOT	USE THIS SPACE		
9. Statement and signature.  To the best of my knowledge and of the original document.  Peter F. Corless	belief, the foregoing inform	nation is true and correct and any	attached copy	
	<del>/</del>			
Name of Person Signing	Total number of pages including	Signature cover sheet, attachments, and	4 Date: 55:	
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**REEL: 9701 FRAME: 0860** 

## **ASSIGNMENT**



WHEREAS, Johns Hopkins University, located at 2024 East Monument Street, Suite 2-100 Baltimore, Maryland 21205, (hereinafter referred to as the "Assignee"), is desirous of acquiring the entire right, title and interest in and to the same invention, and in and to the said application, and any Letters Patent that may issue thereon;

NOW, THEREFORE, TO ALL WHOME IT MAY CONCERN, be it known that for and in consideration of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest for the United States in and to the said invention and in and to the said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and extensions thereof, and all applications claiming priority therefrom; and the Assignors hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as their interest is concerned, to the Assignee; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

The Assignors also have sold, assigned, and transferred, and do hereby sell assign and transfer to the Assignee, its successors and assigns, their entire right, title and interest in and to the invention disclosed in said application, in all countries of the world foreign to the United States, including the right to file applications and obtain patents for said invention in its own name in said countries and including all rights of priority in said countries under the terms of any applicable international convention; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, to the same extent as the Assignors would hold and enjoy if this Assignment had not been made.

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The Assignors further agree to execute any and all patent applications, assignments affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agree, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain and enforce patent protection for said invention in all countries.

The Assignors also hereby grant the law firm of Dike, Bronstein, Roberts & Cushman LLP the power to insert on this Assignment any further identification 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 documents.

IN WITNESS WHEREOF, the Assignors have caused this Assignment to be executed. Dated this 22 day of 1 day of 1 local for the land MARRAN **CERTIFICATE** State of Maryland )

Personally appeared before me the above-named Eduardo MARBAN, who signed the foregoing Assignment in my presence on the date thereof and acknowledged the same to be his voluntary act and deed.

County of Baltimore )

NOTARY PUBLIC
My Commissioner Expires: 4/1/99

PATENT **REEL: 9701 FRAME: 0862** 

Docket No. 48121 Page 3 of 3

State of Maryland	)
County of Baltimore	)

**RECORDED: 01/20/1999** 

Personally appeared before me the above-named Brian O'ROURKE, who signed the foregoing Assignment in my presence on the date thereof and acknowledged the same to be his voluntary act and deed.

NOTARY PUBLIC
My Commissioner Expires: 4, 195

**PATENT REEL: 9701 FRAME: 0863**