11-3-04

Form PTO-1595	11-05-2004		U.S. DEPARTMENT OF COMMERCE	
(Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)			U.S. Patent and Trademark Office	
Tab settings ⇔ ⇔ ♥		itt fånst ninst kidt (88)	<u> </u>	
To the Honorable Commissioner 、	1028757	/44	ed original documents or copy thereof.	
1. Name of conveying party(ies):		ì	dress of receiving party(ies)	
Stephen M. Wandzura		Name: HRL	LABORATORIES, LLC	
John Jacob Ottusch Charalambos F. Contopanagos		Internal Addre	ess:	
John L. Visher				
Additional name(s) of conveying party(ies) attach	ched? Yes No			
3. Nature of conveyance:				
Assignment	Merger		3011 Malibu Canyon Road	
Security Agreement	Change of Name	Street Address: 3011 Malibu Canyon Road		
Other				
06/15/2001 06/15/2001 04/09/2002		City: Malibu State: CA Zip: 90265		
Execution Date: 06/26/2002		Additional name(	(s) & address(es) attached? Yes No	
4. Application number(s) or patent nu	mber(s):	<u> </u>		
If this document is being filed toget	her with a new appli	cation, the executi	ion date of the application is:	
A. Patent Application No.(s) 09/88	32,817	B. Patent No.	.(s)	
***************************************	Additional numbers att	ached? Yes	No	
Name and address of party to whom correspondence concerning document should be mailed:		6. Total number of applications and patents involved:		
Name: TOPE MCKAY & ASSOCIATES		7. Total fee (37 CFR 3.41)\$ 40.00		
Internal Address:		<b>✓</b> Enclosed		
		Authorize	d to be charged to deposit account	
		8. Deposit accou	unt number:	
Street Address:			<b>9</b> 11 <b>9</b> 12 12 13 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15	
23852 Pacific Coast Highway #31	11			
City: Malibu State: CA Zip:	90265		E T	
	DO NOT USE	THIS SPACE		
9. Signature.			2	
CARY TOPE-MCKAY			10/29/2004	
Name of Person Signing		Signature	Date	
Total number of pages including cover sheet, attachments, and documents:				
	Commissioner of Patents & T	rademarks, Box Assignm		
021 40.00 OP	Washington	, D.C. 20231		

PATENT REEL: 015949 FRAME: 0683 Attorney Docket: HRL053

Invention Title: METHOD AND APPARATUS FOR MODELING THREE-DIMENTIONAL ELECTROMAGNETIC SCATTERING FROM ARBITRARILY SHAPED THREE-DIMENTIONAL OBJECTS.

## **ASSIGNMENT**

WHEREAS, I, Stephen M. Wandzura, 27441 Freetown Lane, Agoura Hills, CA 91301, United States of America (hereinafter "Assignor") have invented certain new and useful improvements in METHOD AND APPARATUS FOR MODELING THREE-DIMENTIONAL ELECTROMAGNETIC SCATTERING FROM ARBITRARILY SHAPED THREE-DIMENTIONAL OBJECTS (hereinafter "Invention") for which a new application for a United States Patent is being filed and/or for which Assignors are making or have made a foreign application for intellectual or industrial property protection under the appropriate body of law corresponding to that foreign jurisdiction.

## AND

WHEREAS, HRL Laboratories, LLC, a limited liability company organized and existing under the laws of the State of Delaware, United States of America and having a place of business at 3011 Malibu Canyon Road, Malibu, California, United States of America, (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in the Invention within the United States of America and its territorial possessions, and in all foreign countries in which intellectual or industrial property protection may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, I, the Assignor desire to and do hereby assign, sell, and transfer unto Assignee the full and exclusive right to the Invention in the United States of America and its territorial possessions and in all foreign countries, as well as, the entire right, title and interest in and to any and all intellectual or industrial property rights including, but not limited to, Patents, designs, utility models, and inventor certificates which may be granted therefore in the United States of America and its territorial possessions and in all foreign countries, I hereby authorize and request the U.S. Patent Offices and the equivalent offices at foreign countries, to issue to the Assignee, any and all applicable intellectual or industrial property rights in the Invention, for the Assignee's sole use and benefit; and for the use and benefit of his legal representatives, to the full end of the term for which United States and foreign Patents or the like may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

I further covenant and agree with the Assignee that I have a full and unencumbered title to the invention hereby assigned, which title I warrant unto the Assignee, and I further agree that I will, without demanding any further consideration therefore, at the request and at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign Patents or the like for the Invention, and for maintaing and perfecting the Assignee's right to the Invention and any and all intellectual or industrial property rights in it, particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

Executed this fifteent day of June, 2001, at Mail Du, CA

Page 1 of 1 6/15/01 HRL053 -Wandzura

> PATENT REEL: 015949 FRAME: 0684

Attorney Docket: HRL053

Invention Title: METHOD AND APPARATUS FOR MODELING THREE-DIMENTIONAL ELECTROMAGNETIC SCATTERING FROM ARBITRARILY SHAPED THREE-DIMENTIONAL OBJECTS.

## ASSIGNMENT

WHEREAS, I, John Jacob Ottusch, 6161 Tapia Drive, Malibu CA 90265, United States of America (hereinafter "Assignor") have invented certain new and useful improvements in METHOD AND APPARATUS FOR MODELING THREE-DIMENTIONAL ELECTROMAGNETIC SCATTERING FROM ARBITRARILY SHAPED THREE-DIMENTIONAL OBJECTS (hereinafter "Invention") for which a new application for a United States Patent is being filed and/or for which Assignors are making or have made a foreign application for intellectual or industrial property protection under the appropriate body of law corresponding to that foreign jurisdiction.

**AND** 

WHEREAS, HRL Laboratories, LLC, a limited liability company organized and existing under the laws of the State of Delaware, United States of America and having a place of business at 3011 Malibu Canyon Road, Malibu, California, United States of America, (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in the Invention within the United States of America and its territorial possessions, and in all foreign countries in which intellectual or industrial property protection may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, I, the Assignor desire to and do hereby assign, sell, and transfer unto Assignee the full and exclusive right to the Invention in the United States of America and its territorial possessions and in all foreign countries, as well as, the entire right, title and interest in and to any and all intellectual or industrial property rights including, but not limited to. Patents, designs, utility models, and inventor certificates which may be granted therefore in the United States of America and its territorial possessions and in all foreign countries, I hereby authorize and request the U.S. Patent Offices and the equivalent offices at foreign countries, to issue to the Assignee, any and all applicable intellectual or industrial property rights in the Invention, for the Assignee's sole use and benefit; and for the use and benefit of his legal representatives, to the full end of the term for which United States and foreign Patents or the like may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

I further covenant and agree with the Assignee that I have a full and unencumbered title to the invention hereby assigned, which title I warrant unto the Assignee, and I further agree that I will, without demanding any further consideration therefore, at the request and at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign Patents or the like for the Invention, and for maintaing and perfecting the Assignee's right to the Invention and any and all intellectual or industrial property rights in it, particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

Executed this	5 <sup>th</sup> day o	f June	, 2001
at Maliton	, CA.		·

Page 1 of 1 6/15/01 HRL053 -Ottusch

p. 2

HP. SERJET 3200

Atterney Docket: HRL053

HRL Docket: 010211

Invention Title: METHOD AND APPARATUS FOR MODELING THREE-DIMENTIONAL ELECTROMAGNETIC SCATTERING FROM ARBITRARILY SHAPED THREE-DIMENTIONAL OBJECTS.

#### ASSIGNMENT

WHEREAS, I, Charalambos (Harry) F. Contopunagos, 948 Euclid St., Santa Monica, CA 90403, United States of America (hereinafter "Assignor") have invented certain new and useful improvements in METHOD AND apparatus for modeling three-dimentional electromagnetic scattering from ARBITRARILY SHAPED THREE-DIMENTIONAL OBJECTS (hereinafter "Invention") for which as application for a United States Patent was filed on June 15, 2001, Application Number 09/882,817 and/or for which Assignors are making or have made a foreign application for intellectual or industrial property protection under the appropriate body of law corresponding to that foreign jurisdiction.

WHEREAS, HRL Laboratories, LLC, a limited liability company organized and existing under the laws of the State of Delaware, United States of America and having a place of business at 3011 Malibu Canyon Road, Malibu, California, United States of America, (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in the Invention within the United States of America and its territorial possessions, and in all foreign countries in which intellectual or industrial property protection may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, I, the Assigner desire to and do hereby assign, sell, and transfer unto Assignee the full and exclusive right to the Invention in the United States of America and its territorial possessions and in all foreign countries, as well as, the entire right, title and interest in and to any and all intellectual or industrial property rights including, but not limited to, Patents, designs, utility models, and inventor certificates which may be granted therefore in the United States of America and its territorial possessions and in all foreign countries, I hereby authorize and request the U.S. Patent Offices and the equivalent offices at foreign countries, to issue to the Assignee, any and all applicable intellectual or industrial property rights in the invention, for the Assigner's sole use and benefit; and for the use and benefit of his legal representatives, to the fall end of the term for which United States and foreign Patents or the like may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

I further coverant and agree with the Assignes that I have a full and unencumbered title to the invention hereby assigned, which title I warrant unto the Assignce, and I further agree that I will, without demanding any further consideration therefore, at the request and at the expense of the Assignes, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign Patents or the like for the Invention, and for maintaing and perfecting the Assigned's right to the Invention and any and all intellectual or industrial property rights in it, particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have becount set my hand.

Executed this 9 th day of April 2002, at Sauta Manisar CA

(Signature)

Page 1 of 1 3/11/02 HRL053 -Contopanagos

**PATENT** 

REEL: 015949 FRAME: 0686

Attorney Docket: HRL053

Invention Title: METHOD AND APPARATUS FOR MODELING THREE-DIMENTIONAL ELECTROMAGNETIC SCATTERING FROM ARBITRARILY SHAPED THREE-DIMENTIONAL OBJECTS.

# **ASSIGNMENT**

L.

WHEREAS, I, John F. Visher of 31363 Pacific Coast Highway, Malibu, CA 90265, United States of America (hereinafter "Assignor") have invented certain new and useful improvements in METHOD AND APPARATUS FOR MODELING THREE-DIMENTIONAL ELECTROMAGNETIC SCATTERING FROM ARBITRARILY SHAPED THREE-DIMENTIONAL OBJECTS (hereinafter "Invention") for which a new application for a United States Patent is being filed and/or for which Assignors are making or have made a foreign application for intellectual or industrial property protection under the appropriate body of law corresponding to that foreign jurisdiction.

### AND

WHEREAS, HRL Laboratories, LLC, a limited liability company organized and existing under the laws of the State of Delaware, United States of America and having a place of business at 3011 Malibu Canyon Road, Malibu, California, United States of America, (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in the Invention within the United States of America and its territorial possessions, and in all foreign countries in which intellectual or industrial property protection may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, I, the Assignor desire to and do hereby assign, sell, and transfer unto Assignee the full and exclusive right to the Invention in the United States of America and its territorial possessions and in all foreign countries, as well as, the entire right, title and interest in and to any and all intellectual or industrial property rights including, but not limited to, Patents, designs, utility models, and inventor certificates which may be granted therefore in the United States of America and its territorial possessions and in all foreign countries, I hereby authorize and request the U.S. Patent Offices and the equivalent offices at foreign countries, to issue to the Assignee, any and all applicable intellectual or industrial property rights in the Invention, for the Assignee's sole use and benefit; and for the use and benefit of his legal representatives, to the full end of the term for which United States and foreign Patents or the like may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

I further covenant and agree with the Assignee that I have a full and unencumbered title to the invention hereby assigned, which title I warrant unto the Assignee, and I further agree that I will, without demanding any further consideration therefore, at the request and at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign Patents or the like for the Invention, and for maintaing and perfecting the Assignee's right to the Invention and any and all intellectual or industrial property rights in it, particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

**RECORDED: 11/03/2004** 

Executed this  $\frac{26}{3000}$  day of June, 2002, at  $\frac{31363}{30000}$  PH Malih Ca 90265

(Signature)

John L. Visher

Page 1 of 1 6/20/02 HRL053 -Visher

> PATENT REEL: 015949 FRAME: 0687