#### 501769967 12/28/2011

#### PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Aaron K. Baughman	12/10/2011
Barry M. Graham	12/05/2011
Rick A. Hamilton II	12/05/2011
Brian M. O'Connell	12/07/2011

#### **RECEIVING PARTY DATA**

Name:	International Business Machines Corporation
Street Address:	New Orchard Road
City:	Armonk
State/Country:	NEW YORK
Postal Code:	10504

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	13316831

#### **CORRESPONDENCE DATA**

Fax Number: (518)449-0047 518-449-0044 Phone:

Email: lcronk@hoffmanwarnick.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Hoffman Warnick LLC Correspondent Name: Address Line 1: 75 State Street Address Line 2: 14th Floor

Address Line 4: Albany, NEW YORK 12207

ATTORNEY DOCKET NUMBER: CHA920110024US1 NAME OF SUBMITTER: Michael F. Hoffman

REEL: 027452 FRAME: 0043

**PATENT** 

501769967

# Total Attachments: 8 source=CHA920110024US1\_Assignment\_12-12-11#page1.tif source=CHA920110024US1\_Assignment\_12-12-11#page2.tif source=CHA920110024US1\_Assignment\_12-12-11#page3.tif source=CHA920110024US1\_Assignment\_12-12-11#page4.tif source=CHA920110024US1\_Assignment\_12-12-11#page5.tif source=CHA920110024US1\_Assignment\_12-12-11#page6.tif

source=CHA920110024US1\_Assignment\_12-12-11#page7.tif source=CHA920110024US1\_Assignment\_12-12-11#page8.tif

#### ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

# ACTIVE AND STATEFUL HYPERSPECTRAL VEHICLE EVALUATION

	ates Patent was executed concurrently herewith or was filed having:
Serial Number:	(insert series code and serial number here if/when available)
Whereas, International Business Ma	chines Corporation, a corporation of New York having a place of
	ein referred to as "IBM"), desires to acquire, and each undersigned
Inventor desires to grant to IBM, the	entire worldwide right, title, and interest in and to the Invention and
in and to any and all patent application	ons and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned Inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned Inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

Each undersigned Inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned Inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent application Serial Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

[Inventor Signature Pages Follow] Page 1 of 2

	Executed by Inventor 1 of 4
Signature:	Aaron K. Baughman
	Executed by Inventor 2 of 4
Signature:	Date:
	Executed by Inventor 3 of 4
Signature:	Rick A. Hamilton II
and the state of t	Executed by Inventor 4 of _4
Signature:	Date:

Page 2 of 2

#### ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

# ACTIVE AND STATEFUL HYPERSPECTRAL VEHICLE EVALUATION

and further identified by which an application for	ne IBM Docket Number provided above in the header of this Assignment, for United States Patent was executed concurrently herewith or was filed having:
Serial Number:	(insert series code and serial number here if/when available)
business at Armonk, N Inventor desires to gra-	siness Machines Corporation, a corporation of New York having a place of York (herein referred to as "IBM"), desires to acquire, and each undersigned o IBM, the entire worldwide right, title, and interest in and to the Invention and t applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned Inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned Inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

Each undersigned Inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned Inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent application Serial Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

[Inventor Signature Pages Follow] Page 1 of 2

	Executed by Inventor 1 of 4	
Signature:	Date:	
	Aaron K. Baughman	
	Executed by Inventor 2 of 4	
Signature:	BrogMyhen Date:	12/5/2011
	Barry M. Graham	
	Executed by Inventor 3 of 4	
Signature:	Date:	
••	Rick A. Hamilton II	
	Executed by Inventor 4 of 4	
Signature:	Date:	
	Brian M. O'Connell	

Page 2 of 2

#### ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

#### ACTIVE AND STATEFUL HYPERSPECTRAL VEHICLE EVALUATION

	M Docket Number provided above in the header of this Assignment, for ed States Patent was executed concurrently herewith or was filed having:
Serial Number:	(insert series code and serial number here if/when available)
business at Armonk, New York Inventor desires to grant to IBN	is Machines Corporation, a corporation of New York having a place of a (herein referred to as "IBM"), desires to acquire, and each undersigned M, the entire worldwide right, title, and interest in and to the Invention and dications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned Inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned Inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

Each undersigned Inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned Inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent application Serial Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

[Inventor Signature Pages Follow] Page 1 of 2

	Executed by Inventor 1 of 4
Signature:	Date: Aaron K. Baughman
	Executed by Inventor 2 of 4
Signature:	Barry M. Graham
	Executed by Inventor 3 of 4
Signature:	Rick A. Hamilton II
	Executed by Inventor 4 of 4
Signature: _	Brian M. O'Connell

Page 2 of 2

#### <u>ASSIGNMENT</u>

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

# ACTIVE AND STATEFUL HYPERSPECTRAL VEHICLE EVALUATION

and further identified by the IBM Docket Number provided above in the header of this Assignment, for

which an application for a United States Pa	tent was executed concurrently herewith or was filed having:
Serial Number:	(insert series code and serial number here if/when available)
business at Armonk, New York (hercin refe	Corporation, a corporation of New York having a place of erred to as "IBM"), desires to acquire, and each undersigned worldwide right, title, and interest in and to the Invention and d patents directed thereto:

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned Inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned Inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns,

Each undersigned Inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned Inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent application Scrial Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

[Inventor Signature Pages Follow] Page 1 of 2

· · · · · · · · · · · · · · · · · · ·	Executed by Inventor 1 of	4
Signature:	Da Aaron K. Baughman	ite:
***************************************	Executed by Inventor 2 of	4
Signature:	Barry M. Graham	ite:
	Executed by Inventor 3 of	4
Signature:	Da Rick A. Hamilton II	te:
	Executed by Inventor 4 of	4
Signature:	Ann OZwa Dai Brian M. O'Connell	to: 12/7/2011

Page 2 of 2