502931733 08/12/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2978331

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NIALL B. MCNELIS	07/11/2014
RODNEY BEACH	07/11/2014
BRADLEY WALTEMYER	07/11/2014
RYAN CARDONE	07/11/2014

RECEIVING PARTY DATA

Name:	AAI CORPORATION
Street Address:	M/S 9050/300
Internal Address:	124 INDUSTRY LANE
City:	HUNT VALLEY
State/Country:	MARYLAND
Postal Code:	21030

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14327024

CORRESPONDENCE DATA

Fax Number: (508)366-4688

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 508-616-2900

Email: Docket@BainwoodHuang.com

Correspondent Name: BAINWOOD, HUANG & ASSOCIATES, LLC

Address Line 1: 2 CONNECTOR ROAD

Address Line 4: WESTBOROUGH, MASSACHUSETTS 01581

ATTORNEY DOCKET NUMBER:	1164-007
NAME OF SUBMITTER:	DAVID E. HUANG, ESQ.
SIGNATURE:	/David E. Huang/
DATE SIGNED:	08/12/2014

Total Attachments: 12

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502931733 PATENT REEL: 033516 FRAME: 0590

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PATENT REEL: 033516 FRAME: 0591

ASSIGNMENT

WHEREAS, I, <u>Niall B. McNelis</u>, as the original inventor or an original joint inventor have invented an invention comprising and/or embodying certain improvements or discoveries or both as described in an application for Letters Patent of the United States entitled

ATTENUATING ENGINE NOISE USING A REVERSE RESONATOR

which is further identified by Attorney Docket Number 1164-007;

WHEREAS, AAI Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Maryland and having a usual place of business at MS 9050/300, 124 Industry Lane, Hunt Valley, Maryland 21030, USA desires to acquire an interest therein in accordance with agreements duly entered into with me:

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent 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 hereby convey to ASSIGNEE all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. I hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

PATENT ASSIGNMENT Attorney Docket No.: <u>1164-007</u>

interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, I do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives;

AND I hereby authorize the attorneys at Bainwood Huang & Associates LLC to insert here in parentheses (14\307,004 Gled 07\09\0014) the application number and filing date of said application (or foreign counterpart application) to facilitate the recording or other official processing of this Assignment.

Date: 7/4/14	N.B. MCKI
	New AC No Sub- Inventor's Signature
Legal name of inventor:	Niall B. McNelis
Residence:	2321 Benson Mill Road
	Sparks Glencoe, MD 21152
Citizenship:	US
Mailing Address:	Same as above
STATE/COMMONWEALTH OF MAC.	imore
On this	
	Notary Public
	Print Name: Lindo L. Papadime triou My Commission expires 8 1 301 15

LINDA L. PAPADIMITRIOU NOTARY PUBLIC HARFORD COUNTY MARYLAND MY COMMISSION EXPIRES AUG. 30, 2015

ASSIGNMENT

WHEREAS, I, Rodney Beach, as the original inventor or an original joint inventor have invented an invention comprising and/or embodying certain improvements or discoveries or both as described in an application for Letters Patent of the United States entitled

ATTENUATING ENGINE NOISE USING A REVERSE RESONATOR

which is further identified by Attorney Docket Number 1164-007;

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NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged. I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent 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 hereby convey to ASSIGNEE all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. I hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, I do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives;

AND I hereby authorize the attorneys at Bainwood Huang & Associates LLC to insert here in parentheses (14/327, 034 Ried 07/09/2014) the application number and filing date of said application (or foreign counterpart application) to facilitate the recording or other official processing of this Assignment.

Date: 11 July 2014	Achausbeach
	Inventor's Signature
Legal name of inventor:	Rodney Beach
Residence:	7089 Puma Trail
	Littleton, CO 80125
Citizenship:	us us
Mailing Address:	Same as above
STATE/COMMONWEALTH OF	<u>Colorous</u>
On this 11th day of July	, 2014, then personally appeared before
me the above-named Rodney Beach	h known to me through satisfactory evidence of ation card; [driver's license; [] (other)
	to be the person whose name is subscribed to
free act and deed for the purposes t	owledged that he/she executed the same as his/her herein contained.
	MY
	Notary Public
JENNIFER MCCARTY Notary Public State of Colorado	Print Name:
	My Commission expires 4 / 1/2 / [[

ASSIGNMENT

WHEREAS, I, <u>Bradley Waltemyer</u>, as the original inventor or an original joint inventor have invented an invention comprising and/or embodying certain improvements or discoveries or both as described in an application for Letters Patent of the United States entitled

ATTENUATING ENGINE NOISE USING A REVERSE RESONATOR

which is further identified by Attorney Docket Number 1164-007;

WHEREAS, AAI Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Maryland and having a usual place of business at MS 9050/300, 124 Industry Lane, Hunt Valley, Maryland 21030, USA desires to acquire an interest therein in accordance with agreements duly entered into with me;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent 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 hereby convey to ASSIGNEE all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. I hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, I do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives;

Brody J. Williams
Inventor's Signature
Bradley Waltemyer
59 Mount Zion Road
York, PA 17402
US
Same as above
ry/~ l
, 2014, then personally appeared before known to me through satisfactory evidence of card; [] driver's license; [] (other) to be the person whose name is subscribed to diged that he/she executed the same as his/her in contained. Notary Public Print Name: Linda L Papadimifriae

LINDA L. PAPADIMITRIOU NOTARY PUBLIC HARFORD COUNTY MARYLAND MY COMMISSION EXPIRES AUG. 30, 2015

ASSIGNMENT

WHEREAS, I, Ryan Cardone, as the original inventor or an original joint inventor have invented an invention comprising and/or embodying certain improvements or discoveries or both as described in an application for Letters Patent of the United States entitled

ATTENUATING ENGINE NOISE USING A REVERSE RESONATOR

which is further identified by Attorney Docket Number <u>1164-007</u>;

WHEREAS, AAI Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Maryland and having a usual place of business at MS 9050/300, 124 Industry Lane, Hunt Valley, Maryland 21030, USA desires to acquire an interest therein in accordance with agreements duly entered into with me;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent 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 hereby convey to ASSIGNEE all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. I hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, I do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives;

AND I hereby authorize the attorneys at Bainwood Huang & Associates LLC to insert here in parentheses () + 327,024 filed 07/09/2014) the application number and filing date of said application (or foreign counterpart application) to facilitate the recording or other official processing of this Assignment.

Date: 7/11/14	Ly-OColon
	Inventor's Signature
Legal name of inventor:	Ryan Cardone
Residence:	204 Marshall Wood Road
	Reisterstown, MD 21136
Citizenship:	US
Mailing Address:	Same as above
On this/_ day of	to be the person whose name is subscribed to deged that he/she executed the same as his/her

LINDA L. PAPADIMITRIOU NOTARY PUBLIC HARFORD COUNTY MARYLAND MY COMMISSION EXPIRES AUG. 30, 2015