

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5593487

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the TYPOGRAPHICAL ERROR OF ASSIGNEE'S NAME IN THE ASSIGNMENT DOCUMENT AND COVER SHEET previously recorded on Reel 042377 Frame 0634. Assignor(s) hereby confirms the ASSIGNMENT TO DIGITAL GLOBAL SYSTEMS, INC.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GABRIEL R. GARCIA	11/13/2013
DANIEL CARBAJAL	11/13/2013
RONALD C. DZIERWA	01/22/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DIGITAL GLOBAL SYSTEMS, INC.
<b>Street Address:</b>	10000 VIRGINIA MANOR ROAD
<b>Internal Address:</b>	STE 340
<b>City:</b>	BELTSVILLE
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	20705
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	10219163
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Email:</b>	admin@neoipassets.com
<b>Correspondent Name:</b>	NEO IP
<b>Address Line 1:</b>	PO BOX 52546
<b>Address Line 4:</b>	DURHAM, NORTH CAROLINA 27717
<b>ATTORNEY DOCKET NUMBER:</b>	4237-061
<b>NAME OF SUBMITTER:</b>	NEIL M. BARNES
<b>SIGNATURE:</b>	/Neil M. Barnes/
<b>DATE SIGNED:</b>	06/27/2019
<b>Total Attachments: 10</b>	

source=assignment-pat-42377-634#page1.tif  
source=assignment-pat-42377-634#page2.tif  
source=assignment-pat-42377-634#page3.tif  
source=4237-Assignment-DC-corrected-2013.11.13#page1.tif  
source=4237-Assignment-DC-corrected-2013.11.13#page2.tif  
source=4237-Assignment-GG-corrected-2013.11.13#page1.tif  
source=4237-Assignment-GG-corrected-2013.11.13#page2.tif  
source=4237-Assignment-RD-corrected#page1.tif  
source=4237-Assignment-RD-corrected#page2.tif  
source=Declaration Identifying Error in Recorded Assignment Documents-signed#page1.tif

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4413616

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GABRIEL R. GARCIA	11/13/2013
DANIEL CARBAJAL	11/13/2013
RONALD C. DZIERWA	01/22/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DGS GLOBAL SYSTEMS, INC.
<b>Street Address:</b>	10000 VIRGINIA MANOR ROAD
<b>Internal Address:</b>	SUITE 340
<b>City:</b>	BRYAN
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	20705
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15589646
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Email:</b>	admin@neopatents.com
<b>Correspondent Name:</b>	JINAN GLASGOW GEORGE
<b>Address Line 1:</b>	P.O. BOX 52546
<b>Address Line 4:</b>	DURHAM, NORTH CAROLINA 27717
<b>ATTORNEY DOCKET NUMBER:</b>	4237-061
<b>NAME OF SUBMITTER:</b>	JINAN GLASGOW GEORGE
<b>SIGNATURE:</b>	/JiNan Glasgow George/
<b>DATE SIGNED:</b>	05/15/2017
<b>Total Attachments: 2</b>	
source=4237058-20170119-Assignment-RCD#page1.tif	
source=4237058-20170119-Assignment-RCD#page2.tif	

# ASSIGNMENT OF RIGHTS: PATENT APPLICATION

Ronald C. Dzierwa ("ASSIGNOR"), whose mailing address is 1620 Howard Ave, Baltimore, MD 21221, US is owner of:

“SYSTEMS, METHODS, AND DEVICES FOR AUTOMATIC SIGNAL DETECTION WITH TEMPORAL FEATURE EXTRACTION WITHIN A SPECTRUM” by inventor Ronald C. Dzierwa as described in U.S. Patent Application No. ( 15/412,982 ), filed on ( 01/23/2017 );

(the “PATENT APPLICATION”). DGS Global Systems, Inc. ("ASSIGNEE"), whose mailing address is 10000 Virginia Manor Road Suite 340, Beltsville, MD 20705, US, desires to acquire all rights and interests in and to the PATENT APPLICATION and the Letters Patent (and any reissues or extensions) that may be granted.

I hereby authorize and request my attorney, JiNan Glasgow George, of Triangle Patents, PLLC of P.O. Box 52546, Durham, NC 27717, to insert *supra* in the parentheses the filing date and application number of said applications when known.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers unto ASSIGNEE the full and exclusive right, title, and interest in and to (a) the above-identified PATENT APPLICATION, (b) all Letters Patents which may issue from said PATENT APPLICATION in the United States and countries foreign thereto, (c) all divisions, continuations in whole or part, reissues, substitute applications, foreign applications, and all foreign patents that may issue therefrom, and extensions of said PATENT APPLICATION and Letters Patents, and (d) the right to claim for any of said PATENT APPLICATION the full benefits and priority right under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES: (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting the PATENT APPLICATION, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuing, and reissue applications, renewals, assignments, powers of

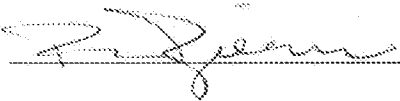
attorney, oaths, affidavits, declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for the PATENT APPLICATION, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Triangle Patents, PLLC do not personally represent ASSIGNOR or ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Date: 22 Jan - 2017 Ronald C. Dzierwa

ASSIGNOR

  
Signature

On this \_\_\_\_\_ day of \_\_\_\_\_, before me, \_\_\_\_\_, the undersigned Notary Public, personally appeared \_\_\_\_\_ ASSIGNOR, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same. WITNESS my hand and official seal in \_\_\_\_\_ County of \_\_\_\_\_ on the date set forth in this certificate.

\_\_\_\_\_  
Notary Public

# ASSIGNMENT OF RIGHTS: PATENT APPLICATIONS

Daniel Carbajal ("ASSIGNOR"), whose mailing address is 625 Tewkesbury Lane, Severna Park, MD 21146, is owner of:

"System and Method for Electronic Spectrum Management," as described in the U.S. Patent Application No. 61/789,758, filed on March 15, 2013;

"SYSTEMS, METHODS, AND DEVICES FOR ELECTRONIC SPECTRUM MANAGEMENT," as described in the U.S. Patent Application No. 13/912,683, filed on June 7, 2013;

"SYSTEMS, METHODS, AND DEVICES FOR ELECTRONIC SPECTRUM MANAGEMENT," as described in the U.S. Patent Application No. 13/912,893, filed on June 7, 2013;

"SYSTEMS, METHODS, AND DEVICES FOR ELECTRONIC SPECTRUM MANAGEMENT," as described in the U.S. Patent Application No. 13/913,013, filed on June 7, 2013

Digital NMS 6/17/11  
(the "PATENT APPLICATIONS"). ~~DCS~~ Global Systems, Inc. ("ASSIGNEE"), whose mailing address is 625 Tewkesbury Lane, Severna Park, MD 21146, desires to acquire all rights and interests in and to the PATENT APPLICATIONS and the patents (and any reissues or extensions) that may be granted.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby assigns, sales and transfers, unto Assignee, the full and exclusive right, title, and interest in and to (a) the above-identified PATENT APPLICATIONS, (b) all Letters Patents which may issue from said application in the United States and countries foreign thereto, (c) all divisions, continuations in whole or part, reissues, substitute applications, foreign applications and all foreign patents that may issue therefrom, and extensions of said PATENT APPLICATIONS and Letters Patents, and (d) the right to claim for any of said PATENT APPLICATIONS the full benefits and priority right under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES: (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting the PATENT APPLICATIONS, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuing, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for the PATENT APPLICATIONS, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

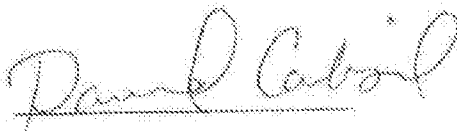
ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Triangle Patents PLLC do not personally represent ASSIGNOR or ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Date: 11/13/13

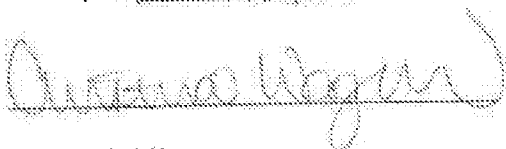
Daniel Carbajal

ASSIGNOR

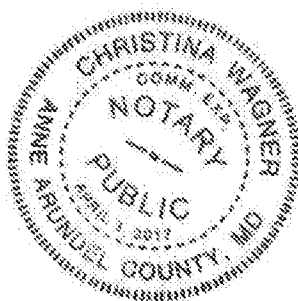


Signature

On this 13<sup>th</sup> day of November 2013, before me Christina Wagner, the undersigned Notary Public, personally appeared Daniel Carbajal ASSIGNOR, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same. WITNESS my hand and official seal in Lanard, MD County of Anne Arundel on the date set forth in this certificate.



Notary Public



# ASSIGNMENT OF RIGHTS: PATENT APPLICATIONS

Gabriel R. Garcia ("ASSIGNOR"), whose mailing address is 625 Tewkesbury Lane, Severna Park, MD 21146, is owner of:

"System and Method for Electronic Spectrum Management," as described in the U.S. Patent Application No. 61/789,758, filed on March 15, 2013;

"SYSTEMS, METHODS, AND DEVICES FOR ELECTRONIC SPECTRUM MANAGEMENT," as described in the U.S. Patent Application No. 13/912,683, filed on June 7, 2013;

"SYSTEMS, METHODS, AND DEVICES FOR ELECTRONIC SPECTRUM MANAGEMENT," as described in the U.S. Patent Application No. 13/912,893, filed on June 7, 2013;

"SYSTEMS, METHODS, AND DEVICES FOR ELECTRONIC SPECTRUM MANAGEMENT," as described in the U.S. Patent Application No. 13/913,013, filed on June 7, 2013

*Digital NMB 6/17/19*  
(the "PATENT APPLICATIONS"). ~~DGS~~ Global Systems, Inc. ("ASSIGNEE"), whose mailing address is 625 Tewkesbury Lane, Severna Park, MD 21146, desires to acquire all rights and interests in and to the PATENT APPLICATIONS and the patents (and any reissues or extensions) that may be granted.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby assigns, sales and transfers, unto Assignee, the full and exclusive right, title, and interest in and to (a) the above-identified PATENT APPLICATIONS, (b) all Letters Patents which may issue from said application in the United States and countries foreign thereto, (c) all divisions, continuations in whole or part, reissues, substitute applications, foreign applications and all foreign patents that may issue therefrom, and extensions of said PATENT APPLICATIONS and Letters Patents, and (d) the right to claim for any of said PATENT APPLICATIONS the full benefits and priority right under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES: (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting the PATENT APPLICATIONS, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuing, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for the PATENT APPLICATIONS, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.



ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Triangle Patents PLLC do not personally represent ASSIGNOR or ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Date: 13 Nov 2013

Gabriel R. Garcia

ASSIGNOR

Signature

On this 13th day of November, before me, Christina Wagner, the undersigned Notary Public, personally appeared Gabriel Garcia ASSIGNOR, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same. WITNESS my hand and official seal in Arundel, MD County of Anne Arundel on the date set forth in this certificate.

Notary Public



# ASSIGNMENT OF RIGHTS: PATENT APPLICATION

Ronald C. Dzierwa ("ASSIGNOR"), whose mailing address is 1620 Howard Ave, Baltimore, MD 21221, US is owner of:

"SYSTEMS, METHODS, AND DEVICES FOR AUTOMATIC SIGNAL DETECTION WITH TEMPORAL FEATURE EXTRACTION WITHIN A SPECTRUM" by inventor Ronald C. Dzierwa as described in U.S. Patent Application No. ( 15/412,982 ), filed on ( 01/23/2017 );

Digital NMB 6/19/2019

(the "PATENT APPLICATION"). ~~DGS~~ Global Systems, Inc. ("ASSIGNEE"), whose mailing address is 10000 Virginia Manor Road Suite 340, Beltsville, MD 20705, US, desires to acquire all rights and interests in and to the PATENT APPLICATION and the Letters Patent (and any reissues or extensions) that may be granted.

I hereby authorize and request my attorney, JiNan Glasgow George, of Triangle Patents, PLLC of P.O. Box 52546, Durham, NC 27717, to insert *supra* in the parentheses the filing date and application number of said applications when known.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers unto ASSIGNEE the full and exclusive right, title, and interest in and to (a) the above-identified PATENT APPLICATION, (b) all Letters Patents which may issue from said PATENT APPLICATION in the United States and countries foreign thereto, (c) all divisions, continuations in whole or part, reissues, substitute applications, foreign applications, and all foreign patents that may issue therefrom, and extensions of said PATENT APPLICATION and Letters Patents, and (d) the right to claim for any of said PATENT APPLICATION the full benefits and priority right under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES: (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting the PATENT APPLICATION, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuing, and reissue applications, renewals, assignments, powers of

attorney, oaths, affidavits, declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for the PATENT APPLICATION, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Triangle Patents, PLLC do not personally represent ASSIGNOR or ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Date: 22 Jan - 2017 Ronald C. Dziurwa

ASSIGNOR



Signature

On this \_\_\_\_\_ day of \_\_\_\_\_, before me, \_\_\_\_\_, the undersigned Notary Public, personally appeared \_\_\_\_\_ ASSIGNOR, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same. WITNESS my hand and official seal in \_\_\_\_\_ County of \_\_\_\_\_ on the date set forth in this certificate.

\_\_\_\_\_  
Notary Public

Declaration Identifying Typographical Error of Assignee Name in Recorded Assignment Documents

I, Neil M. Barnes, attorney of record for Digital Global Systems, Inc., hereby declare and state the following:

1. The assignee name in the attached assignment documents includes a typographical error. Specifically, the assignee name reads "DGS Global Systems, Inc." The correct assignee name is "Digital Global Systems, Inc." The attached assignment documents include the corrected assignee name; the correction is initialed and dated.
2. The assignors named in the attached assignment documents are no longer available to correct the original assignment documents or execute new assignment documents.

I attest, to the best of my knowledge, that the information recited above is accurate and reliable. I declare under penalty of perjury that the foregoing is true and correct.

Executed on

6/24/19

Signature

