503805568 04/29/2016

PATENT ASSIGNMENT COVER SHEET

EPAS ID: PAT3852215

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: CORRECTIVE ASSIGNMENT **NATURE OF CONVEYANCE:** Corrective Assignment to correct the EMPLOYMENT AGREEMENT PREVIOUSLY OMITTED previously recorded on Reel 038121 Frame 0771. Assignor(s) hereby confirms the EMPLOYMENT AGREEMENT INCLUDED. **RESUBMIT DOCUMENT ID:** 503771694

CONVEYING PARTY DATA

Name	Execution Date
STEVEN R. CARLOUGH	11/13/2014
REID T. COPELAND	11/13/2014
CHARLES W. GAINEY, JR.	11/19/2014
MARCEL MITRAN	11/14/2014
ERIC M. SCHWARZ	11/13/2014
TIMOTHY J. SLEGEL	11/13/2014

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:	15083374	

CORRESPONDENCE DATA

Fax Number: (518)452-5579

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: 518-452-5600 Email: tas@hrfmlaw.com

HESLIN ROTHENBERG FARLEY & MESITI P.C. **Correspondent Name:**

Address Line 1: **5 COLUMBIA CIRCLE**

Address Line 4: ALBANY, NEW YORK 12203

ATTORNEY DOCKET NUMBER:	POU920110213US4
NAME OF SUBMITTER:	MATTHEW M. HULIHAN

SIGNATURE:	/Matthew M. Hulihan/
DATE SIGNED:	04/29/2016
Total Attachments: 11	
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503757712 03/29/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3804358

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEVEN R. CARLOUGH	11/13/2014
REID T. COPELAND	11/13/2014
CHARLES W. GAINEY, JR.	11/19/2014
MARCEL MITRAN	11/14/2014
ERIC M. SCHWARZ	11/13/2014
TIMOTHY J. SLEGEL	11/13/2014

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Address Line 4: ALBANY, NEW YORK 12203

ATTORNEY DOCKET NUMBER:	POU920110213US4
NAME OF SUBMITTER:	MATTHEW M. HULIHAN
SIGNATURE:	/Matthew M. Hulihan/
DATE SIGNED:	03/29/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT

Title of Invention: CONVERT FROM ZONED FORMAT TO DECIMAL FLOATING POINT FORMAT

As a below named and undersigned inventor, I hereby declare that:
This declaration is directed to the attached application, or (if following box is checked):
[] United States application or PCT international application number
The above-identified application was made or authorized to be made by me.
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
I have reviewed and understand the contents of the application, including the claims.
I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56

Whereas, I ("ASSIGNOR") have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application and further identified by the IBM Docket Number provided above in the header of this document;

Whereas, International Business Machines Corporation (herein referred to as the "ASSIGNEE"), a corporation of New York having a place of business at Armonk, New York, desires to acquire, and I desire to grant to the ASSIGNEE, my entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, I hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to the ASSIGNEE, its successors, legal representatives, and assigns, my 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, I hereby authorize and request 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 the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE, 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 me had this Assignment not been made; and I agree 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 the ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by the ASSIGNEE, its successors, legal representatives, or assigns.

Page 1 of 2

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to the ASSIGNEE and am unaware of any reason why I may not have the full and unencumbered right to sell, assign, and transfer my rights hereby sold, assigned, and transferred, and have not executed, and will not execute, any document or instrument in conflict herewith. I also hereby grant the ASSIGNEE, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application 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.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

	Legal Name of Inventor: Steven R. Carlough		, ,
	Signature: Steven R Carlough	Date:	11/13/14
(2)	Legal Name of Inventor: Reid T. Copeland		
	Signature:	Date:	
(3)	Legal Name of Inventor: Charles W. Gainey, Jr.		
	Signature: (See Substitute Statement in Lieu of Oath or Declar	ration)	
(4)	Legal Name of Inventor: Marcel Mitran		
	Signature:	Date:_	
(5)	Legal Name of Inventor: Eric M. Schwarz		11/13/14
	Signature:	Date:_	1412/1
(6)	Legal Name of Inventor: Timothy J. Slegel		
	Signature: Ting J. ren	Date:_	11/13/2019
	l l		

Page 2 of 2

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Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, I hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to the ASSIGNEE, its successors, legal representatives, and assigns, my 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, I hereby authorize and request 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 the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE, 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 me had this Assignment not been made; and I agree 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 the ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by the ASSIGNEE, its successors, legal representatives, or assigns.

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(1) Legal Name of Inventor: Steven R. Carlough	
Signature:	Datë:
(2) Legal Name of Inventor: Reid T. Copeland	
Signature:	Date: Nwember 13/2014
(3) Legal Name of Inventor: Charles W. Gainey, Jr.	
Signature: (See Substitute Statement in Lieu of Oath or	Declaration)
(4) Legal Name of Inventor: Marcel Mitran	
Signature:	Date:
(5) Legal Name of Inventor: Eric M. Schwarz Signature:	n og med film til state og skrivet skr
Signature:	Date
(6) Legal Name of Inventor: Timothy J. Slegel	
Signature:	Date:

Page 2 of 2

Doc code: Oath Document Description: Oath or declaration filed

PTO/AIA/02 (07-13)

Approved for use through 01/31/2014, OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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SUBSTITUTE STATEMENT IN LIEU OF AN OATH OR DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (35 U.S.C. 115(d) AND 37 CFR 1.64)

Title of Invention	CONVERT FROM ZONED	FORMAT TO DECIM	IAL FL	LOATING POIN	NT FORMAT
This stateme	ent is directed to:				
The att	ached application,				
OR					
United	States application or PCT international	application number		filed on _	*
LEGAL NA	ME of Inventor to whom this sul	stitute statement appl	ies:		
9	Name (first and middle (if any)) and F	amily Name or Surname)			
Charles	W. Gainey, Jr.				
Residence (except for a deceased or legally incapa	citated inventor):	T		
.					
City Malling Addre	ss (except for a deceased or legally incapa	State	Country	<u> </u>	
7,134	о солорг гог а оссовавае от годину повра	GIZEGO HIVOROJ.			
City		State	Zip)	Country
I believe the in the ap	above-named inventor or joint inventor plication.	or to be the original inventor	or an o	riginal joint inventor	of a claimed invention
The above-	dentified application was made or auth	orized to be made by me.			
I hereby ack imprison	nowledge that any willful false statement of not more than five (5) years, o	ent made in this statement i r both.	s punish	nable under 18 U.S.	C. 1001 by fine or
Relationsh	ip to the inventor to whom this substitu	te statement applies:			
		agally incapacitated invento	r only),		
Le	egal Representative (for deceased or le				
	gal Representative (for deceased or lessignee,				
A .					
A:	ssignee,	obligation to assign,	matter (p	petition under 37 CF	R 1.46 is required), or
imprison	ment of not more than five (5) years, o	r both. te statement applies:			
A:	ssignee, erson to whom the inventor is under an	obligation to assign,	matter (p	petition under 37 CF	R 1.46 is required), or

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.53. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the includical case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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SUBSTITUTE STATEMENT

Circumstances permitting execution of this sub	stitute statement:		
Inventor is deceased,			
Inventor is under legal incapacity,			
Inventor cannot be found or reached a	after diligent effort, or		
Inventor has refused to execute the or	ath or declaration under 37 CF	R 1.63,	
If there are joint inventors, please check the ap	opropriate box below:		
An application data sheet under 37 Cl or is currently submitted.	FR 1.76 (PTO/AIA/14 or equiva	alent) naming the entir	e inventive entity has been
OR			
An application data sheet under 37 C Statement Supplemental Sheet (PTO, information is attached. See 37 CFR	/AIA/11 or equivalent) naming	alent) has not been su the entire inventive en	bmitted. Thus, a Substitute itity and providing inventor
	WARNING:		
Petitioner/applicant is cautioned to avoid submitt contribute to identity theft. Personal information (other than a check or credit card authorization for the support a petition or an application. If this type petitioners/applicants should consider redacting uSPTO. Petitioner/applicant is advised that the application (unless a non-publication request in a patent. Furthermore, the record from an abandoreferenced in a published application or an issue PTO-2038 submitted for payment purposes are a	such as social security number form PTO-2038 submitted for pie e of personal information is inci- such personal information from record of a patent application is compliance with 37 CFR 1.213 aned application may also be a and patent (see 37 CFR 1.14).	irs, bank account numbers, bank account numbers, is in studed in documents sum is available to the publical is available to the applical is made in the applical backs and credit card	bers, or credit card numbers never required by the USPTO ubmitted to the USPTO, re submitting them to the lic after publication of the dication) or issuance of a f the application is disuthorization forms
PERSON EXECUTING THIS SUBSTITUTE STA	ATEMENT:		
Name: Pryor A. Garnett, R	leg. No. 32,13	6	11/19/2014 Date (Optional):
Signature: Pu A Can-			
APPLICANT NAME AND TITLE OF PERSON E			
If the applicant is a juristic entity, list the applican		ier:	
International Business Applicant Name:	Machines Corporation		
Title of Person Executing This Substitute Statement: Senior Counse	<u> </u>	**************************************	
The signer, whose title is supplied above, is aut Residence of the signer (unless provided in a	horized to act on behalf of the		A \ -
	an application data sneet, ri	T	int);
_{City} Portland	State OR	country US	
Mailing Address of the signer (unless provid 1385 NW Amberglen Parkway		set, PTO/AIA/14 or ed	quivalent)
	State OR	_{Zip} 97006	Country US
Note: Use an additional PTO/AIA/02 form for ea			annot be found or reached

[Page 2 of 2]



Employee Confidential Information and Invention Agreement

(To be signed by all employees on the first day of employment)

In consideration of my employment by IBM:

- 1. I will not disclose to anyone outside of IBM, or use in other than IBM's business, any confidential information or material relating to the business of IBM or its subsidiaries, either during or after my IBM employment, except with IBM's written permission. I also understand that information and materials received in confidence from third parties by IBM and its subsidiaries is included within the meaning of this paragraph.
- 2. I will not disclose to IBM, or induce IBM to use, any confidential information or material belonging to others.
- 3. I will comply, and do all things necessary for IBM to comply, with United States Government regulations, and with provisions of contracts between the agencies of the United States Government or their contractors and IBM, which relate either to patent rights or to the safeguarding of information pertaining to the defense of the United States.
- 4. I hereby assign to IBM my entire right, title and interest in any invention or idea, patentable or not, hereafter made or conceived solely or jointly by me:
 - a. while working in IBM in an executive, managerial, planning, technical, research or engineering capacity (including development, manufacturing, systems, applied science, sales and customer engineering); and
 - b. which relates in any manner to the actual or anticipated business of IBM or its subsidiaries, or relates to its actual or anticipated research and development, or is suggested by or results from any task assigned to me or work performed by me for or on behalf of IBM;

except	any	invention	or	idea	which	I	cannot	assign	to	IBM	because	of	a	prior	invention	agr	cement	with
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***************************************	·····		······································		_(Give	па	me and	date or	writ	te "noi	ne").							

- 5. I agree that in connection with any invention or idea covered by paragraph 4:
 - a. I will disclose it promptly to the local IBM Patent Operations Manager; and
 - b. I will, on his request, promptly execute a specific assignment of title to IBM, and do anything else reasonably necessary to enable IBM to secure a patent therefor in the United States and in foreign countries.
- 6. I represent that I have indicated on the back of this form any inventions or ideas, not covered by Paragraph 4. in which I have any right, title or interest, and which were previously conceived either wholly or in part by me, but neither published nor filed in the United States Patent Office, and identified all of these.

If you do not have any inventions or ideas to indicate, write "none" on this line:__

(It is in your interest to establish that any such inventions or ideas were made before employment by IBM. You should not disclose such inventions or ideas in detail, but only identify them by the titles and dates of documents describing them. If you wish to interest IBM in such inventions and ideas, you may submit them to IBM in accordance with the provisions outlined in IBM's Form MO5-4472.)

7. I acknowledge receipt of a copy of this agreement, and agree that with respect to the subject matter hereof, it is my entire agreement with IBM, superseding any previous oral or written communications, representations, understandings, or agreements with IBM or any official or representative thereof.

Personnel Folder

(over)

PATENT

REEL: 038422 FRAME: 0135

M04-3097-2

The following are inventions or ideas, not covere previously conceived either wholly or in p	vered by Paragraph 4, in which part by me, but neither publishe	I have any right, title or interest, and which ed nor filed in the United States Patent Office:
Description of Documents: (If applicable)		
Title on Document	Date on Document	Name of Witness on Document
		-
		· ·
	Signed:	Employae's Full Name
	Date:	

(If you have entered "none" in Paragraph 6, do not fill in this section.)

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Signature:		Date:	
(3) Legal Name of Inventor: Charl	es W. Gainey, Jr.		
Signature: (See Substitute State	ement in Lieu of Oath or Declarat	ion)	
(4) Legal Name of Inventor Marce		Date: Nov 14 2014	
(5) Legal Name of Inventor: Eric M			~ 37
Signature:	and the state of the second se	Date:	
(6) Legal Name of Inventor: Timoth	ny J. Slegel		
Signature:		Date:	

PATENT REEL: 038422 FRAME: 0138

RECORDED: 04/06/2016