# 503647110 01/13/2016

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3693745

SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYAN	ICE:	ASSIGNMENT	
CONVEYING PARTY DA	ATA		
		Name	Execution Date
CHARLES W. GAINEY J	R.		08/12/2015
DAN F. GREINER			07/09/2013
LISA C. HELLER			07/13/2013
DAMIAN L. OSISEK			07/12/2013
GUSTAV E. SITTMANN			08/12/2015
RECEIVING PARTY DA			
Name:		ATIONAL BUSINESS MACHINES CC	PRPORATION
Street Address:		CHARD ROAD	
City:	ARMON		
State/Country:	NEW YC	RK	
Postal Code:	10504		
	T - 4 - 1 - 4		
PROPERTY NUMBERS		<b>N</b>	7
Property Type		Number	-
Application Number:	1	4994337	
CORRESPONDENCE D	ΑΤΑ		
Fax Number:	(5	18)452-5579	
		he e-mail address first; if that is un	
using a fax number, if p Phone:	-	<i>if that is unsuccessful, it will be se</i> 18-452-5600	nt via US Mail.
Email:	-	@hrfmlaw.com	
Correspondent Name:		ESLIN ROTHENBERG FARLEY & M	ESITI P.C.
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NAME OF SUBMITTER:		BLANCHE E. SCHILLER, ESQ.	
SIGNATURE:		/Blanche E. Schiller/	
DATE SIGNED:		01/13/2016	
		This document serves as an Oat	h/Declaration (37 CFR 1.63).
Total Attachments: 10		I	

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## BES/jb 0560.799F

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SUE	STITUTE STATEMENT IN OR DESIGN PATENT API	LIEU OF AN OATH PLICATION (35 U.S.	OR DECLARATION .C. 115(d) AND 37 (	FOR UTILITY CFR 1.64)
Title of Invention	EXECUTION OF A PERFO	RM FRAME MANAG	EMENT FUNCTION	NINSTRUCTION
This stateme	ant is directed to		······································	
🔲 The att	ached application,			
OR				
	States application or PCT international	application number	filed on	·
	ME of inventor to whom this sul		ies:	
	Name (first and middle (if any)) and F	amily Name or Surname)		
Charles	W. Gainey, Jr.			
Residence (	except for a deceased or legally incapa	acitated inventor)	r	
City				
City Mailing Addre	ss (except for a deceased or legally incapa	State	Country	· · · · · · · · · · · · · · · · · · ·
	<b>-</b>			
City		State	Zip	Country
l believe the in the ap	above-named inventor or joint invento plication	or to be the original inventor	or an original joint invento	r of a claimed invention
The above-i	dentified application was made or auth	norized to be made by me		
1 hereby ack imprisoni	nowledge that any wiliful false stateme ment of not more than five (5) years, o	ent made in this statement i r both.	s punishable under 18 U.S	.C 1001 by fine or
Relationsh	p to the inventor to whom this substitu	ite statement applies		
	egal Representative (for deceased or k ssignee,	egally incapacitated invento	r oniy),	
	erson to whom the inventor is under ar	n obligation to assign,		
	erson who otherwise shows a sufficien ant Inventor	t proprietary interest in the i	matter (petition under 37 C	FR 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 63. 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. Confidentality 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 individual 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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SI	JBSTITUTE STATE	MENT	
Circumstances permitting execution of this su	bstitute statement		
Inventor is deceased,			
Inventor is under legal incapacity,			
Inventor cannot be found or reached	l after diligent effort, or		
Inventor has refused to execute the	oath or declaration under 37 CF	R 1.63.	
If there are joint inventors, please check the	appropriate box below		
An application data sheet under 37 ( or is currently submitted	CFR 1.76 (PTO/AIA/14 or equiv	alent) naming the enti	ire inventive entity has been
OR			
An application data sheet under 37 Statement Supplemental Sheet (PT information is attached See 37 CFF	D/AIA/11 or equivalent) naming		
······································	WARNING:		
contribute to identity theft. Personal information (other than a check or credit card authorization to support a petition or an application. If this ty petitioners/applicants should consider redacting USPTO. Petitioner/applicant is advised that the application (unless a non-publication request in patent. Furthermore, the record from an aband referenced in a published application or an issu PTO-2038 submitted for payment purposes are	form PTO-2038 submitted for p pe of personal information is inc such personal information from e record of a patent application is compliance with 37 CFR 1 213 loned application may also be a led patent (see 37 CFR 1.14)	ayment purposes) is r luded in documents s in the documents befor is available to the pub (a) is made in the app vailable to the public i Checks and credit card	never required by the USPTO ubmitted to the USPTO, re submitting them to the dic after publication of the plication) or issuance of a if the application is d authorization forms
PERSON EXECUTING THIS SUBSTITUTE ST	ATEMENT:		
Name Timothy M. Farrell	, Reg. No. 37,3	321	August 12, 2015 Date (Optional).
Signature		TE STATEMENT:	
If the applicant is a juristic entity, list the applica			
	s Machines Corporation		
Applicant Name			
Title of Person Executing This Substitute Statement Senior Couns	el		
The signer, whose title is supplied above, is au Residence of the signer (unless provided in	an application data sheet, Pl	O/AIA/14 or equival	ent):
City Alpine	State UT	Country US	avivalant)
Mailing Address of the signer (unless prov 357 N. Main Street	ded in an application data sh	eet, PTO/AIA/14 or e	quivalent)
cityAlpine	UT	<sub>Zip</sub> 84004	Country US
Note Use an additional PTO/AIA/02 form for e after diligent effort, or has refused to execute t	ach inventor who is deceased, he oath or declaration under 37	egally incapacitated, CFR 1 63.	cannot be found or reached

### 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: EXECUTION OF A PERFORM FRAME MANAGEMENT FUNCTION INSTRUCTION

As a below named inventor, I hereby declare that:

This declaration is directed to the attached application, or (if following box is checked):

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, the undersigned inventor(s) has/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, a corporation of New York having a place of business at Armonk, New York (herein 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 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 or has sold, assigns or has assigned, and otherwise transfers or has transferred 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 loreign 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.

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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 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.

Thereby 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.

(1) Legal Name of Inventor: Charles W. Gainey, Jr.

Signature: (See Substitute Statement in Lieu of Oath or Declaration) Date:

(2) Legal Name of Inventor: Dan F. Greiner

ς.

Signature: Dauf Reine	Date: 9 July 2013
(3) Legal Name of Inventor: Lisa C. Heller	
Signature:	Date:
(4) Legal Name of Inventor: Damian L. Osisek	
Signature:	Date:
(5) Legal Name of Inventor: Gustav E. Sittmann, Ill	

Signature: (See Substitute Statement in Lieu of Oath or Declaration) Date:

Page 2 of 2

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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.

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Whereas. International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein 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 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 or has sold, assigns or has assigned, and otherwise transfers or has transferred 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.

Page 1 of 2

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 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.

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(1) Legal Name of Inventor: Charles W. Gainey. Jr.

Signature: (See Substitute Statement in Lieu of Oath or Declaration) Date:\_\_\_\_\_

(2) Legal Name of Inventor: Dan F. Greiner

Signature:

\_\_\_\_\_Date:\_\_\_\_\_

(3) Legal Name of Inventor: Lisa C. Heller

Signature: Lose C Heller Date: 7/13/13

(4) Legal Name of Inventor: Damian L. Osisek

Signature:

\_\_\_\_\_ Date:\_\_\_\_\_

(5) Legal Name of Inventor: Gustav E. Sittmann, III

Signature: (See Substitute Statement in Lieu of Oath or Declaration) Date:\_\_\_\_\_

Page 2 of 2

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Page 1 of 2

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(1)	) Legal Name of Inventor: Charles W. Gainey, Jr.	
	Signature: (See Substitute Statement in Lieu of Oath or Declaration)	Date:
(2)	Legal Name of Inventor: Dan F. Greiner	
	Signature:	_Date:
(3)	Legal Name of Inventor: Lisa C. Heller	
	Signature:	Date:
(4)	Legal Name of Inventor: Damian L. Osisek	
	Signature: Daman Cosmi	Date: 7/12/2013
(5)	Legal Name of Inventor: Gustav E. Sittmann, III	
	Signature: (See Substitute Statement in Lieu of Oath or Declaration)	Date:

Page 2 of 2

#### Doc code<sup>-</sup> Oath Document Description: Oath or declaration filed

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SUE	STITUTE STATEMENT IN I OR DESIGN PATENT API				
Title of Invention	EXECUTION OF A PERFO	RM FRAME MANAG	GEMENT F	UNCTION	INSTRUCTION
This stateme	ent is directed to				
The att	ached application,				
OR					
	States application or PCT international	application number		filed on	
	ME of inventor to whom this su		lies:		
	Name (first and middle (if any)) and F	amily Name or Surname)			
	E. Sittmann, III				
Residence (	except for a deceased or legally incapa	acitated inventor)	<u></u>		
City		State	Country		
Mailing Addre	ss (except for a deceased or legally incapa	citated inventor)			
City		State	Zip		Country
in the ap The above-i i hereby ack	above-named inventor or joint inventor plication dentified application was made or auth mowledge that any willful false stateme ment of not more than five (5) years, o	norized to be made by me. ent made in this statement			
	p to the inventor to whom this substitu				
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	erson who otherwise shows a sumcien sint Inventor.	r proprietary interest in the			

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	SUBSTITUTE S	TATEMENT	
Circumstances permitting execution	n of this substitute statement.		
Inventor is deceased,			
Inventor is under legal inc	apacity,		
Inventor cannot be found	or reached after diligent effort, o	r	
Inventor has refused to ex	ecute the oath or declaration un	der 37 CFR 1.63.	
If there are joint inventors, please of	check the appropriate box below		
or is currently submitted.	under 37 CFR 1.76 (PTO/AIA/14	t or equivalent) naming the	e entire inventive entity has been
OR An application data sheet Statement Supplemental S information is attached	Sheet (PTO/AIA/11 or equivalent	4 or equivalent) has not be t) naming the entire inventi	en submitted Thus, a Substitute ve entity and providing inventor
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contribute to identity theft. Personal i (other than a check or credit card aut to support a petition or an application petitioners/applicants should consider USPTO. Petitioner/applicant is advis	horization form PTO-2038 subm . If this type of personal informa r redacting such personal inform ed that the record of a patent ap	itted for payment purposes tion is included in docume ation from the documents	<ul> <li>is never required by the USPTC nts submitted to the USPTO, before submitting them to the</li> </ul>
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