PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6288625

NATURE OF CONVEYANCE: Corrective Assignment to correct the THE OMISSION OF JR. FROM INVENTOR LEBLANC'S NAME previously recorded on Reel 028369 Frame 0851. Assignor(s) hereby confirms the NAME OF INVENTOR 2	SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
AS: RALPH E. LEBLANC, JR		INVENTOR LEBLANC'S NAME previously recorded on Reel 028369 Frame 0851. Assignor(s) hereby confirms the NAME OF INVENTOR 2	

CONVEYING PARTY DATA

Name	Execution Date
PAUL R. BASTIDE	06/13/2012
RALPH E. LEBLANC JR.	09/07/2020
FANG LU	06/13/2012
ALAA ABOU MAHMOUD	06/13/2012

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:	13495755

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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.

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Email: usptopatentmail@cantorcolburn.com

Correspondent Name: CANTOR COLBURN LLP

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ATTORNEY DOCKET NUMBER:	RSW920110116US1
NAME OF SUBMITTER:	JEFFREY L. WATERS
SIGNATURE:	/jeffreylwaters53749/
DATE SIGNED:	09/09/2020

Total Attachments: 7

PATENT REEL: 053730 FRAME: 0356

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PATENT REEL: 053730 FRAME: 0357

ASSIGNMENT

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

Title of the Invention: ENHANCED COPY AND PASTE BETWEEN APPLICATIONS

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having:

Serial Number: 13/495,755

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, 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 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]

Executed by Inventor 1 of 4

Signature:

Paul R. Bastide

Page 1 of 2

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Signature:	Raiph E. LeBlanc, Jr.	`, Date:	9/7/20
DOODOOOOOOOOOOOOOOOOOOOOOOOOO	Executed by	/ Inventor 3 of 4	
Signature:		Date:	
*0000000xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Executed by	Inventor 4 of 4	,
Signature:		Date:	

Alaa Abou Mahmoud



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUNE 14, 2012

PTAS

CONVERGENT LAW GROUP LLP 475 N. WHISMAN ROAD, SUITE 400 MOUNTAIN VIEW, CA 94043

501954440

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RECORDATION DATE: 06/13/2012 REEL/FRAME: 028369/0851 NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: RSW920110116US1

ASSIGNOR:

BASTIDE, PAUL R

IGNOR:

ASSIGNOR:

IEBLANG RALPHE Ralph E. LeBlanc, Jr.

DOC DATE: 96/13/2012

00000006088989

DOC DATE: 06/13

ASSIGNOR:

LU, FANG DOC DATE: 06/13/2012

ASSIGNOR:

MAHMOUD, ALAA ABOU DOC DATE: 06/13/2012

ASSIGNEE:

INTERNATIONAL BUSINESS MACHINES CORPORATION NEW ORCHARD ROAD ARMONK, NEW YORK 10504

APPLICATION NUMBER: 13495755 FILING DATE: PATENT NUMBER: ISSUE DATE: TITLE: ENHANCED COPY AND PASTE BETWEEN APPLICATIONS

P.O. Box 1450, Alexandria, Virginia 22313-1450 - WWW.USPTO.GOV PATENT

REEL: 053730 FRAME: 0360

09-07-20

ASSIGNMENT RECORDATION BRANCH PUBLIC RECORDS DIVISION

PATENT REEL: 053730 FRAME: 0361

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT	/	
CONVEYING PARTY DATA			
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	vame ,	Execution Date	
Paul R. Bastide		06/13/2012	
Rस्रामाः ≐स्थाकार	nc, Jr. 09-07-20	0e43/2012	
Fang Lu		06/13/2012	
Alaa Abou Mahmoud		06/13/2012	
ł			

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:	13495755	

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Address Line 4: MOUNTAIN VIEW, CALIFORNIA 94043

ATTORNEY DOCKET NUMBER: RSW920110116US1

NAME OF SUBMITTER: Debbie Nishihara

Total Attachments: 2

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PATENT REEL: 028369 FRAME: 0851 PATENT

REEL: 053730 FRAME: 0362

501954440

IBM DOCKET NUMBER: RSW920110116US1

ASSIGNMENT

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

Title of the Invention: ENHANCED COPY AND PASTE BETWEEN APPLICATIONS

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having:

Serial Number: 13/495,755

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, 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, thé 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

PATENT REEL: 0283369 FRAME: 0862

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IBM DOCKET NUMBER: RSW920110116US1

Executed by Inventor 1 of 4	
Signature: Lastide Lostide	Date: Blone 2016
Executed by Inventor 2 of 4	
Signature: LeBlanc	Date: 6/13/12
Executed by Inventor 3 of 4	
Signature: Fang Lu	Date: 6/13/2 · 12
Executed by Inventor 4 of 4	
Signature:	_{Date:} 6/13/20\て
Alaa Abou Mahmoud	

PATENT REEL: 058369 FRAME: 0864