PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Srihari V. Angaluri	09/24/2013
Gary D. Cudak	09/18/2013
Christopher J. Hardee	09/18/2013
Bryan M. Reese	09/18/2013
Junjiro Sumikawa	09/24/2013

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:	14036187

CORRESPONDENCE DATA

Fax Number: 8326782349

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Correspondent Name: STREETS & STEELE - IBM CORPORATION
Address Line 1: 13100 WORTHAM CENTER DRIVE, SUITE 245

Address Line 4: HOUSTON, TEXAS 77065

ATTORNEY DOCKET NUMBER:	RPS920130079US1	
NAME OF SUBMITTER:	Jeffrey L. Streets	
Signature:	/Jeffrey L. Streets, 37453/	PATENT

502508401 REEL: 031275 FRAME: 0260

Date:	09/25/2013	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 10		
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PATENT REEL: 031275 FRAME: 0261

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:

KEYBOARD, VIDEO AND MOUSE SWITCH IDENTIFYING AND DISPLAYING NODES EXPERIENCING A PROBLEM

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):

X United States	application or PC1	international	application	numiber.	14/036,187	
filed on Sept 2:	5, 2013					

The above-identified application was made or authorized to be made by me.

Thelieve 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.

Tain 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 CPR Section 1.56.

Whereus, 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, Interestional Business Machines Corporation (herein referred to as the "ASSIGNEE"), a corporation of New York having a place of business at Armonic, New York, desires to acquire, and I desire to great 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 thereo.

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged. I hereby salt or have sold, assign or have assigned, and otherwise transfer or have transferred to the ASSIGNEE, its successors, legal representatives, and assigns, my entire worklywide right, title, and interest in and to the invention, the above-identified United States patent application, and any and all other ratest applications and patents for the invention which may be applied for or granted therefor in the United States and in all foreign countries and includictions, including all divisions, continuations, reismas, recraminations, cenewals, extensions, counterparts, sibstitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such pateris. In addition, Thereby entherize 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 petent, granted for the Invention, to the ASSIGNEE, be vaccessors, legal representatives, and assigns, my cative worldwide right, ride, and interest in and to the same to be held and enjoyed by the ASSKONEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granied, as fally 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 decoments and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all celated patents and applications, to the ASSIGNEE, its narcensors, legal representatives, and saxigns. whenever remeded by the ASSIGNEE, its mecasions, logal representatives, or assisnes.

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TRACEOCKET NEMBER: KF8928130079151

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to the ASSKINEE and am unaware of any reason why I may not have the full and uncocumbered 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 insect 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. 1991 by fine or imprisonment of not more than five (5) years, or both.

Signature: Date: 124/2013 (2) Legal Name of Inventor: Gary B. Cudak Signature: Date: Date: (3) Legal Name of Inventor: Christopher J. Hardee Signature: Date: (4) Legal Name of Inventor: Bryan M. Reese Signature: Date: (5) Legal Name of Inventor: Junjies Sumikawa		Legal Name of Inventor: Sribari V. Angaluri	
Signature: (3) Legal Name of Yasentor: Christopher J. Hardee Signature: (4) Legal Name of Yasentor: Bayan M. Reese Signature: Date: (5) Legal Name of Inventor: Junjiro Sumikawa		signature: A-V-SUA	pare: <u>9 24 7-01</u> 3
(3) Legal Name of Inventor: Christopher J. Hardee Signature:	(2)	Legal Name of Inventor: Gery D. Cudsk	
Signature:		Signature:	Date:
(4) Legal Name of Inventor: Bryan M. Reese Signature: Date: (5) Legal Name of Inventor: Junjiro Sumikawa	(3)	Legal Name of Inventor: Christopher J. Hardee	
Signanae:		Signature:	Date
(S) Legal Name of Inventor: Junjira Sumikawa	(4)	Legal Name of Inventor: Bryan M. Roes e	
		Signature:	Date
Signature:Delet	(\$)	Legal Name of Inventor: Junjire Sumikawa	
		Signature:	Desc

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:

KEYBOARD, VIDEO AND MOUSE SWITCH IDENTIFYING AND DISPLAYING NODES EXPERIENCING A PROBLEM

As a below named and undersigned inventor, I hereby declare that:

[X] United States application or PCT international application number	14/036,187
Flod on Sent 25, 2013	

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.

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

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

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Signature:	Date:
(2) Legal Name of Inventor: Gary D. Cudak	
Signature: Dun O, land	Date: 4/18/2013
(3) Legal Name of Inventor: Christopher J. Hardee	
Signature:	Date:
(4) Legal Name of Inventor: Bryan M. Reese	
Signature:	Date:
(5) Legal Name of Inventor: Junjiro Sumikawa	
Signature:	Date:

END

Page 2 of 2

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Page 1 of 2

IBM DOCKET NUMBER: RPS920130079US1

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(1) Legal Name of Inventor: Srihari V. Angaluri	
Signaturet	Date:
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Signature: Up I	Date: 9/18/13
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usrtpl93

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Signature:	Date:
5) Legal Name of Inventor: Junjiro Sumikawa	
Signature: Tuntina Santawa	Date: 9/>9//

Page 2 of 2

PATENT REEL: 031275 FRAME: 0271

RECORDED: 09/25/2013