

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3783917

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT																		
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the LIST OF CONVEYING PARTIES previously recorded on Reel 037212 Frame 0753. Assignor(s) hereby confirms the LIST OF CONVEYING PARTIES SHOULD INCLUDE INVENTOR VATATMAJA.																		
<b>RESUBMIT DOCUMENT ID:</b>	503692824																		
<b>CONVEYING PARTY DATA</b>																			
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>JOYDEEP BASU</td><td>12/03/2015</td></tr><tr><td>YUK L. CHAN</td><td>12/02/2015</td></tr><tr><td>BADALKUMAR L. CHOUDHARY</td><td>12/02/2015</td></tr><tr><td>KARUNAKARAN KARUPPIAH</td><td>12/02/2015</td></tr><tr><td>HEIDI L. LAGARES-GREENBLATT</td><td>12/02/2015</td></tr><tr><td>RAKESH RANJAN</td><td>12/02/2015</td></tr><tr><td>NICHOLAS A. VARGAS</td><td>12/02/2015</td></tr><tr><td>VATATMAJA .</td><td>12/02/2015</td></tr></tbody></table>	Name	Execution Date	JOYDEEP BASU	12/03/2015	YUK L. CHAN	12/02/2015	BADALKUMAR L. CHOUDHARY	12/02/2015	KARUNAKARAN KARUPPIAH	12/02/2015	HEIDI L. LAGARES-GREENBLATT	12/02/2015	RAKESH RANJAN	12/02/2015	NICHOLAS A. VARGAS	12/02/2015	VATATMAJA .	12/02/2015	
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<b>RECEIVING PARTY DATA</b>																			
<table border="1"><tr><td><b>Name:</b></td><td>INTERNATIONAL BUSINESS MACHINES CORPORATION</td></tr><tr><td><b>Street Address:</b></td><td>NEW ORCHARD ROAD</td></tr><tr><td><b>City:</b></td><td>ARMONK</td></tr><tr><td><b>State/Country:</b></td><td>NEW YORK</td></tr><tr><td><b>Postal Code:</b></td><td>10504</td></tr></table>	<b>Name:</b>	INTERNATIONAL BUSINESS MACHINES CORPORATION	<b>Street Address:</b>	NEW ORCHARD ROAD	<b>City:</b>	ARMONK	<b>State/Country:</b>	NEW YORK	<b>Postal Code:</b>	10504									
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<b>PROPERTY NUMBERS Total: 1</b>																			
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<b>CORRESPONDENCE DATA</b>																			
<b>Fax Number:</b>	(561)423-9297																		
<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>Phone:</b>	5618017700																		
<b>Email:</b>	ibmptomail@iplawpro.com																		
<b>Correspondent Name:</b>	CUENOT, FORSYTHE & KIM, LLC																		
<b>Address Line 1:</b>	20283 STATE ROAD 7																		
<b>Address Line 2:</b>	SUITE 300																		
<b>Address Line 4:</b>	BOCA RATON, FLORIDA 33498																		

PATENT

<b>ATTORNEY DOCKET NUMBER:</b>	SVL920150145US1_8150-0588
<b>NAME OF SUBMITTER:</b>	TERRY W. FORSYTHE
<b>SIGNATURE:</b>	/TERRY W. FORSYTHE/
<b>DATE SIGNED:</b>	03/15/2016

**Total Attachments: 26**

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## PATENT ASSIGNMENT COVER SHEET

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RAKESH RANJAN	12/02/2015
NICHOLAS A. VARGAS	12/02/2015

VATATMAJA12/02/2015

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PROPERTY NUMBERS Total: 1

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**Application Number:** 14959692

## CORRESPONDENCE DATA

**Fax Number:** (561)423-9297  
**Phone:** 561-801-7700  
**Email:** ibmptomail@iplawpro.com

*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.*

**Correspondent Name:** CUENOT, FORSYTHE & KIM, LLC  
**Address Line 1:** 20283 STATE ROAD 7, SUITE 300  
**Address Line 4:** BOCA RATON, FLORIDA 33498

## ATTORNEY DOCKET NUMBER:

SVL920150145US1\_8150-0588

## NAME OF SUBMITTER:

TERRY W. FORSYTHE

## Signature:

/TERRY W. FORSYTHE/

## Date:

12/04/2015

This document serves as an Oath/Declaration (37 CFR 1.63).

## Total Attachments: 24

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## RECEIPT INFORMATION

**EPAS ID:** PAT3644263  
**Receipt Date:** 12/04/2015

**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:

**SENSOR DATA SEGMENTATION AND VIRTUALIZATION**

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 14/959,692  
filed on 2015-12-04.

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 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 the "IBM"), desires to acquire, and I desire to grant to IBM, 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 ("ASSIGNOR") hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to IBM (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 IBM, its successors, legal representatives, and assigns, my 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 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 IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to IBM 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 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) Name of Inventor: **JOYDEEP BASU**

Signature:  Date: 12/03/2015

(2) Name of Inventor: **YUK L. CHAN**

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

(3) Name of Inventor: **BADALKUMAR L. CHOUDHARY**

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

[ADDITIONAL SIGNATURE PAGE(S) FOLLOW]

(4) Name of Inventor: **KARUNAKARAN KARUPPLAH**

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

(5) Name of Inventor: **HEIDI L. LAGARES-GREENBLATT**

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

(6) Name of Inventor: **RAKESH RANJAN**

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

(7) Name of Inventor: **NICHOLAS A. VARGAS**

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

(8) Name of Inventor: **VATATMAJA**

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

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patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, my 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 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 IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

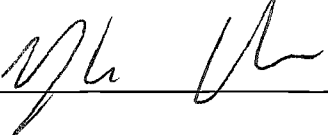
I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to IBM and am unaware of any reason why I may not have the full and unencumbered right to sell, assign, and transfer my rights hereby sold, assigned, and transferred, and have not executed, and will not execute, any document or instrument in conflict herewith. I also hereby grant 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) Name of Inventor: **JOYDEEP BASU**

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

(2) Name of Inventor: **YUK L. CHAN**

Signature:  Date: 12/2/2015

(3) Name of Inventor: **BADALKUMAR L. CHOUDHARY**

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

[ADDITIONAL SIGNATURE PAGE(S) FOLLOW]

(4) Name of Inventor: **KARUNAKARAN KARUPPIAH**

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

(5) Name of Inventor: **HEIDI L. LAGARES-GREENBLATT**

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

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patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, my 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 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 IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

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(1) Name of Inventor: **JOYDEEP BASU**

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

(2) Name of Inventor: **YUK L. CHAN**

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

(3) Name of Inventor: **BADALKUMAR L. CHOUDHARY**

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

[ADDITIONAL SIGNATURE PAGE(S) FOLLOW]

(4) Name of Inventor: **KARUNAKARAN KARUPPIAH**

Signature:  Date: 12.02.2015

(5) Name of Inventor: **HEIDI L. LAGARES-GREENBLATT**

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

(6) Name of Inventor: **RAKESH RANJAN**

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

(7) Name of Inventor: **NICHOLAS A. VARGAS**

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

(8) Name of Inventor: **VATATMAJA**

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



**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:

**SENSOR DATA SEGMENTATION AND VIRTUALIZATION**

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 14/959,692  
filed on 2015-12-04.

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

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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.

Whereas, I 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;

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Signature:  \_\_\_\_\_ Date: Dec 2, 2015

(6) Name of Inventor: **RAKESH RANJAN**

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

(7) Name of Inventor: **NICHOLAS A. VARGAS**

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

(8) Name of Inventor: **VATATMAJA VENKATESHMURTHY**

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

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**SENSOR DATA SEGMENTATION AND VIRTUALIZATION**

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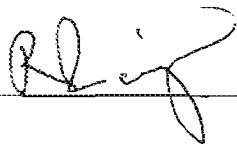
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Signature:  \_\_\_\_\_ Date: 12/02/2015

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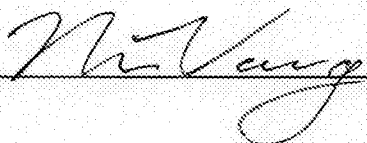
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Signature:  Date: 12/2/2015

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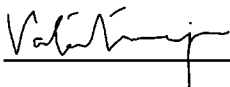
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