#### 503810377 05/03/2016

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3857025

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MUHTAR B. AKBULUT	04/13/2016
DONNA K. BYRON	04/12/2016
PRISCILLA S. MORAES	04/13/2016
DAVID D. TAIEB	04/13/2016
STEVEN D. WOOD	04/14/2016

#### **RECEIVING PARTY DATA**

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Street Address:	NEW ORCHARD ROAD
City:	ARMONK
State/Country:	NEW YORK
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#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15145437

#### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	AUS920160092US1
NAME OF SUBMITTER:	STEPHEN A. TERRILE
SIGNATURE:	/Stephen A. Terrile/
<b>DATE SIGNED:</b> 05/03/2016	
This document serves as an Oath/Declaration (37 CFR 1.63).	

**Total Attachments: 10** 

**PATENT REEL: 038447 FRAME: 0633** 

503810377

PATENT REEL: 038447 FRAME: 0634

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

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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.

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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.

(1) Legal Name of	Inventor: MUHTAR B. AKBULUT	
Signature:	M.aimin	
(2) Legal Name of	f Inventor: DONNA K. BYRON	
Signature:	<u> </u>	Date:
(3) Legal Name o	f Inventor: PRISCILLA S. MORAES	
Signature:		Date:
(4) Legal Name o	f Inventor: <b>DAVID D. TAIEB</b>	
Signature:		Date:
(5) Legal Name	of Inventor: STEVEN D. WOOD	
Signature:		Date:

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PATENT REEL: 038447 FRAME: 0637

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(1) Legal Name of Inventor: MUHTAR B. AKBULUT	
Signature:	Date:
(2) Legal Name of Inventor: <b>DONNA K. BYRON</b>	
Signature: Dohna K Byrion	Date: 4-12-16
(3) Legal Name of Inventor: PRISCILLA S. MORAES	
Signature:	Date:
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Signature: Steven Wood	Date: 14/04/2010

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RECORDED: 05/03/2016

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