08/15/2016 503960215

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4006870

SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYAN	CE:	ASSIGNMENT	
CONVEYING PARTY DA	TA	·	
		Name Execution	n Date
DUNCAN S. ANDERSON		07/15/2016	3
OLIVER C. W. BLODGET	Т	08/03/2016	6
TIMOTHY DURNIAK		07/18/2016	6
MIKAELA R. MOORE		07/19/2016	3
MARTIN SCHMID			3
RECEIVING PARTY DAT	- ^		
Name:		ATIONAL BUSINESS MACHINES CORPORATION	
Street Address:	NEW ORCHARD ROAD		
City:	ARMONK	<	
-	NEW YO	RK	
Postal Code:	10504		
PROPERTY NUMBERS		Number	
	Total: 1	Number 5236796	
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Total Attachments: 10

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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: MULTIPLE-POINT COGNITIVE IDENTITY CHALLENGE SYSTEM

As a below named inventor, I hereby declare that:

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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.

Page 1 of 2

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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: Duncan S. Anderson

	Signature: DAvolan	Date: 15 JOC7	2016
(2)	Legal Name of Inventor: Oliver C. W. Blodgett		
	Signature:	_Date:	
(3)	Legal Name of Inventor: Timothy Durniak		
	Signature:	Date:	
(4)	Legal Name of Inventor: Mikaela R. Moore		
	Signatur:	Date:	
(5)	Legal Name of Inventor: Martin Schmid		
4	Signature:	Date:	
	JIF MORE INVENTORS, ADDITIONAL SIGNATURE PAG	E(S) FOLLOWS]	

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Signature:	Date:
(2) Legal Name of Inventor: Oliver C. W. Blodgett	
Signature: 6	Date: <u>\$\2\1</u>
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Signature:	Date:
(5) Legal Name of Inventor: Martin Schmid	
Signature:	Date:
[IF MORE INVENTORS, ADDITIONAL SIG	NATURE PAGE(S) FOLLOWS]
Page 2 of 2	

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(1) Legal Name of Inventor Dunean S. Anderson

	N STATUTE STATU	
	Signature	Date:
(2)	Legal Name of Inventor: Oliver C. W. Blodgett	
	Signature:	Date:
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	Signature:	Date:
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(1) And Some of Insentor: Duncan S. Anderson

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(*) Less Same et inventor: Timothy Darpi	ak
929922	Date
* States of Income Mikaela R. Mo.	угe
SUSSER	Date
Antio Schmid // / /	
man <u>Udad</u>	Date <u>12/AUG/20</u> 76
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RECORDED: 08/15/2016