505704307 10/02/2019 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5751117

SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEYAN	ICE:	ASSIGNMENT				
CONVEYING PARTY DA	ATA					
		Name Execution Dat	e			
GILES R. FRAZIER	11/25/2015					
MICHAEL K. GSCHWINI	D	11/24/2015				
CHRISTIAN JACOBI		12/02/2015				
CHUNG-LUNG K. SHUM	1	11/25/2015				
RECEIVING PARTY DA	ТА					
Name:	INTERN	NATIONAL BUSINESS MACHINES CORPORATION				
Street Address:	NEW O	RCHARD ROAD				
City:	ARMON	١K				
State/Country:	NEW YORK					
Postal Code:	10504					
PROPERTY NUMBERS	Total: 1					
Property Type		Number				
		Number 16591256				
Property Type Application Number:						
Property Type Application Number: CORRESPONDENCE D	ATA	16591256				
Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i>	ATA e sent to	16591256 (518)452-5579 • the e-mail address first; if that is unsuccessful, it will be sent				
Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p	ATA e sent to provided	16591256 (518)452-5579 <i>The e-mail address first; if that is unsuccessful, it will be sent</i> <i>I; if that is unsuccessful, it will be sent via US Mail.</i>				
Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone:	ATA e sent to provided	16591256 (518)452-5579 The e-mail address first; if that is unsuccessful, it will be sent <i>I; if that is unsuccessful, it will be sent via US Mail.</i> 518-452-5600				
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Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	ATA e sent to provided	(518)452-5579 <i>the e-mail address first; if that is unsuccessful, it will be sent</i> <i>if that is unsuccessful, it will be sent via US Mail.</i> 518-452-5600 karen.scipio@hrfmlaw.com HESLIN ROTHENBERG FARLEY & MESITI P.C. 5 COLUMBIA CIRCLE				
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Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NU	ATA e sent to provided	(518)452-5579 the e-mail address first; if that is unsuccessful, it will be sent i; if that is unsuccessful, it will be sent via US Mail. 518-452-5600 karen.scipio@hrfmlaw.com HESLIN ROTHENBERG FARLEY & MESITI P.C. 5 COLUMBIA CIRCLE ALBANY, NEW YORK 12203 POU920150406US04				
Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER: SIGNATURE:	ATA e sent to provided	(518)452-5579 the e-mail address first; if that is unsuccessful, it will be sent if that is unsuccessful, it will be sent via US Mail. 518-452-5600 karen.scipio@hrfmlaw.com HESLIN ROTHENBERG FARLEY & MESITI P.C. 5 COLUMBIA CIRCLE ALBANY, NEW YORK 12203 POU920150406US04 RACHEL L. PEARLMAN				
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DECLARATION (37 C.F.R. 1.63) FOR UTILITY PAT ENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT

Title of Invention: CONFIGURABLE CODE FINGERPRINT

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):

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 ("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

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to the ASSIGNEE 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 the ASSIGNEE, 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.

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: Giles R. FRAZIER

Signature: Jille R. Frayler Date: 11/25/2015

(2) Legal Name of Inventor: Michael K. GSCHWIND

Signature:_____Date:_____

(3) Legal Name of Inventor: Christian JACOBI

Signature:_____ Date:_____

(4) Legal Name of Inventor: Chung-Lung K. SHUM

Signature:_____ Date:_____

Page 2 of 2

DECLARATION (37 C.F.R. 1.63) FOR UTILITY PAT ENT APPLICATION USING AN APPLICATION DATA SMEET (37 C.F.R. 1.76) AND ASSIGNMENT

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Now, therefore, for good and valuable consideration, the receipt and saff clency 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 jur scienions, including all divisions, continuations, reissues, veexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of suc-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 Potent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to the ASSIGNEE, its addressors, legal representatives, and assigns, my entire worldwide right, litle, and interest in and to the same to be hald 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 bay a been full and enjoyed by me had this Assignment not been made and Lagree to accoute an stid all declare us and instruments and perform all lawful acts reasonably related to recording this Assignment of performing the to the Invention and all related patents and applications. In the ASSIGNEE, its successory, legal tepresentatives, and assigns, whenever requested by the ASSIGNEE, its successors, tegal representatives, or assigns,

Page 1 of 1

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(1) Legal Name of Invantor: Gile/ R. FRAZIER

Signature.					Date:
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(2) Legal Name of Inventor: Michael K. CSCHWIND

_____ Date: 11 Signature:_

(5) Legal Name of inventor: Classer, 32/COE1

Signature: Date:

(4) Legal Name of Inventor - Chung Lang 17, SHEM

Signature: Date:

Page 1 of 1

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Page 1 of 2

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Signature:	Date:
(2) Legal Name of Inventor: Michael K. GSCHWIND	
Signature:	Date:
(3) Legal Name of Inventor: Christian JACOBI	
Signature:	Date:
(4) Legal Name of Inventor: Chung-Lung K. SHUM	
Signature: Chy In IC Sh	Date:(1/25/2015

Page 2 of 2

PATENT REEL: 050607 FRAME: 0017

RECORDED: 10/02/2019