PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5355770

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
XIA LI	12/11/2015
SUO MING PU	12/01/2015
XIAO FENG TANG	11/03/2015
BO YU	11/13/2015

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:	16265106

CORRESPONDENCE DATA

Fax Number: (845)892-6363

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Email: fdciplaw@us.ibm.com

IBM CORP. - FISHKILL DRAFTING CENTER **Correspondent Name:**

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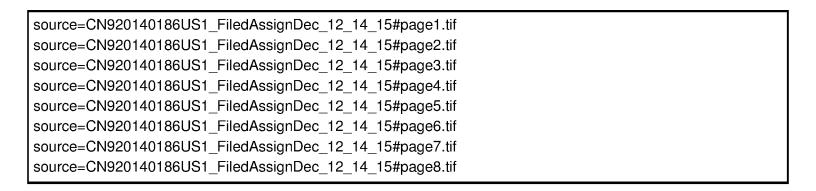
Address Line 4: POUGHKEEPSIE, NEW YORK 12601

ATTORNEY DOCKET NUMBER:	CN920140186US03
NAME OF SUBMITTER:	BRITTANY SINSABAUGH
SIGNATURE:	/Brittany Sinsabaugh/
DATE SIGNED:	02/01/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 8

PATENT REEL: 048219 FRAME: 0047

505308990



PATENT REEL: 048219 FRAME: 0048

MTK06952 2015/12/11 16:48:20

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

IBM DOCKET NUMBER: CN920140186US1

Title of Invention: ENHANCING INTEGRATED CIRCUIT NOISE PERFORMANCE

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 numberfiled on
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 therefore 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.

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MTK06952 2015/12/11 16:48:20

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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: Xia Li	
	Signature: Xia Zi	Date: <u>Del. 114</u> , 20
(2)	Legal Name of Inventor: Suoming Pu	
	Signature:	_Date:
(3)	Legal Name of Inventor: Xiaofeng Tang	
	Signature:	_Date:
(4)	Legal Name of Inventor: Bo Yu	
	Signature:	Date:

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(1) Legal Name of Inventor: Xia Li

Signature:	Date:
(2) Legal Name of Inventor: Suoming Fu Think Suo Ming	Pu
Signature: Suo Mirg Pu	Date: 2015 12.0
(3) Legal Name of Inventor: Xiaofeng Tang	
Signature:	Date:
(4) Legal Name of Inventor: Bo Yu	
Signature:	Date:

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(1) Legal Name of Inventor: Xia Li	
Signature:	Date:
(2) Legal Name of Inventor: Suoming Pu	
Signature:	Date:
(3) Legal Name of Inventor: Xiao Feng Tang XF	.т
Signature:	Date: 2015, 11.3
(4) Legal Name of Inventor: Bo Yu	
Signature:	Date:

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(3) Legal Name of Inventor: Xiaofeng Tang	
Signature:	Date:
(4) Legal Name of Inventor: Bo Yu	
Signature:	Duta 2015 11 13

Page 2 of 2