PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2955459

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JINWOO CHOI	07/14/2014
SUNGJUN CHUN	07/15/2014
JASON L. FRANKEL	07/15/2014
PAUL R. WALLING	07/14/2014
ROGER D. WEEKLY	07/20/2014

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:	14341834

CORRESPONDENCE DATA

Fax Number: (512)233-2858

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.

Phone: 5123477204

Email: amyjpattillo@gmail.com

Correspondent Name: IBM CORPORATION (C/O AMY PATTILLO)

Address Line 1: P.O. BOX 161327
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ATTORNEY DOCKET NUMBER:	AUS920090139US2
NAME OF SUBMITTER:	AMY PATTILLO
SIGNATURE:	/Amy J. Pattillo/
DATE SIGNED:	07/27/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 15

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PATENT REEL: 033397 FRAME: 0676

Title of Invention: [CROSSTALK REDUCTION BETWEEN SIGNAL LAYERS IN A MULTILAYERED PACKAGE BY VARIABLE-WIDTH MESH PLANE STRUCTURES

1

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):
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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.

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(4) Legal Name of Inventor: [PAUL R. WALLING]		
Signature:	Date:	
(3) Legal Name of Inventor: [ROGER D. WEEKLY]		
Signature	Date	

Title of Invention: [CROSSTALK REDUCTION BETWEEN SIGNAL LAYERS IN A MULTILAYERED PACKAGE BY VARIABLE-WIDTH MESH PLANE STRUCTURES

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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) Leval Name of Inventor: LHNWOO CHOLL

(1) water visite as an event to a court	
Signature:	Date:
(2) Legal Name of Inventor: [SUNGJUN CHUN]	
Signature: Signature:	Date: 7/15/14
(3) Legal Name of Inventor: [JASON L. FRANKEL]	
Signature:	Date:

(4) Legal Name of Inventor: [PAUL R. WALLING]		
Signature:	Date:	
(3) Legal Name of Inventor: [ROGER D. WEEKLY]		
Signature	Date	

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(1) Legal Name of Inventor: [JINWOO CHO1]	
Signature:	Date:
(2) Legal Name of Inventor: [SUNGJUN CHUN]	
Signature:	Date:
(3) Legal Name of Inventor: [JASON L. FRANKEL]	
Signature: Jason Trans	2) Date: 7/15/14

(4) Legal Name of Inventor: [PAUL R. WALLING]		
Signature:	Date:	
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Signature	Date	

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	Signature:	Date:	
(2)	Legal Name of Inventor: [SUNGJUN CHUN]		
	Signature:	_Date:	
(3)	Legal Name of Inventor: [JASON L. FRANKEL]		
	Signatura	Data	

(4)	Legal Name of Inventor: (PAUL R. WALLING)	
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(3)	Legal Name of Invenor: [ROGER D. WEEKLY]	
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Sig	nature:	Date:
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Sig	nature:	_Date:
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Sic	nature:	Date

(a)	Logal Name of Inventor: [PA	ess. R. Waterner		
	Signature:		Date:	
(3)	Legal Name of Inventor: [RC	OGER D. WICEKLY		
	Signatore: 25	~ × 7/2	Date:	7/20/2014

Page 3 of 3

PATENT REEL: 033397 FRAME: 0691

RECORDED: 07/27/2014