

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3259683

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KARAN KACKER	01/17/2008
DOUGLAS O POWELL	01/17/2008
DAVID L QUESTAD	01/17/2008
DAVID J RUSSELL	01/17/2008
SRI M SRI-JAYANTHA	03/10/2015
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
Patent Number:	8242593
CORRESPONDENCE DATA	
Fax Number:	(914)766-7520
<i>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.</i>	
Phone:	914-766-0607
Email:	iplawyor@us.ibm.com
Correspondent Name:	INTERNATIONAL BUSINESS MACHINES CORP
Address Line 1:	294 ROUTE 100, P.O. BOX 100
Address Line 2:	IBM CORPORATION IPLAW DEPARTMENT
Address Line 4:	SOMERS, NEW YORK 10589-0100
ATTORNEY DOCKET NUMBER:	YOR920060722US1
NAME OF SUBMITTER:	VAZKEN ALEXANIAN
SIGNATURE:	/VAZKEN ALEXANIAN/
DATE SIGNED:	03/11/2015
Total Attachments: 10	

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Assignment

Whereas, we

INVENTOR/CITY	(1) Karan Kacker	City of: Atlanta
COUNTY/STATE	County of Cobb	State of: Georgia
INVENTOR/CITY	(2) Douglas O. Powell	City of: Endicott
COUNTY/STATE	County of Tioga	State of: New York
INVENTOR/CITY	(3) David L. Questad	City of: Hopewell Junction
COUNTY/STATE	County of Dutchess	State of: New York
INVENTOR/CITY	(4) David J. Russell	City of: Owego
COUNTY/STATE	County of Tioga	State of: New York
INVENTOR/CITY	(5) Sri M. Sri-Jayantha	City of: Ossining
COUNTY/STATE	County of Westchester	State of: New York

have invented certain improvements in

TITLE: **CLUSTERED STACKED VIAS FOR RELIABLE ELECTRONIC SUBSTRATES**

and executed, respectively, a United States patent application therefor on the following date(s):

DATE(S) THAT INVENTOR(S) SIGNED THE DECLARATION	(1) <u>17th Jan 2008</u>	(2) _____
	(3) _____	(4) _____
	(5) _____	

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of

said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said applications to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed by (1): K K
Karan Kacker

CITY/STATE at ATLANTA, GEORGIA
DATE on 17th JANUARY, 2008

Signed by (2): _____
Douglas O. Powell

CITY/STATE at _____,
DATE on _____, 2008

Signed by (3): _____
David L. Questad

CITY/STATE at _____,
DATE on _____, 2008

Signed by (4): _____
David J. Russell

CITY/STATE at _____,
DATE on _____, 2008

Signed by (5): _____
Sri M. Sri-Jayantha

CITY/STATE at _____,
DATE on _____, 2008

Assignment

Whereas, we

INVENTOR/CITY COUNTY/STATE	(1) Karan Kacker County of Cobb	City of: Atlanta State of: Georgia
INVENTOR/CITY COUNTY/STATE	(2) Douglas O. Powell County of Tioga	City of: Endicott State of: New York
INVENTOR/CITY COUNTY/STATE	(3) David L. Questad County of Dutchess	City of: Hopewell Junction State of: New York
INVENTOR/CITY COUNTY/STATE	(4) David J. Russell County of Tioga	City of: Owego State of: New York
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date(s):

DATE(S) THAT
INVENTOR(S)
SIGNED THE
DECLARATION

(1) _____	(2) <u>1/17/2008</u>
(3) _____	(4) <u>1/17/2008</u>
(5) _____	

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

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Signed by (1): _____
Karan Kacker

CITY/STATE at _____,
DATE on _____, 2008

Signed by (2): Douglas O. Powell
Douglas O. Powell

CITY/STATE at Endicott, NY
DATE on January 17, 2008

Signed by (3): _____
David L. Questad

CITY/STATE at _____,
DATE on _____, 2008

Signed by (4): David J. Russell
David J. Russell

CITY/STATE at Endicott, NY
DATE on January 17, 2008

Signed by (5): _____
Sri M. Sri-Jayantha

CITY/STATE at _____,
DATE on _____, 2008

Assignment

Whereas, we

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DATE(S) THAT INVENTOR(S) SIGNED THE DECLARATION	(1) _____	(2) _____
	(3) <u>01/17/2008</u>	(4) _____
	(5) _____	

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Signed by (1): _____
Karan Kacker

CITY/STATE at _____,
DATE on _____, 2007

Signed by (2): _____
Douglas O. Powell

CITY/STATE at _____,
DATE on _____, 2007

Signed by (3): David L. Questad
David L. Questad

CITY/STATE at Hopewell Junction, New York
DATE on Jan 17, 2007

Signed by (4): _____
David J. Russell

CITY/STATE at _____,
DATE on _____, 2007

Signed by (5): _____
Sri M. Sri-Jayantha

CITY/STATE at _____,
DATE on _____, 2007

Assignment

Whereas, we

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INVENTOR/CITY COUNTY/STATE	(2) Douglas O. Powell County of Tioga	City of: Endicott State of: New York
INVENTOR/CITY COUNTY/STATE	(3) David L. Questad County of Dutchess	City of: Hopewell Junction State of: New York
INVENTOR/CITY COUNTY/STATE	(4) David J. Russell County of Tioga	City of: Owego State of: New York
INVENTOR/CITY COUNTY/STATE	(5) Sri M. Sri-Jayantha County of Westchester	City of: Ossining State of: New York

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TITLE: **CLUSTERED STACKED VIAS FOR RELIABLE ELECTRONIC SUBSTRATES**

and executed, respectively, a United States patent application therefor on the following date(s):

DATE(S) THAT INVENTOR(S) SIGNED THE DECLARATION

(1) _____ (2) _____

(3) _____ (4) _____

(5) _____ 1/18/08 _____

Whereas: INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of

said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said applications to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed by (1): _____
Karan Kacker

CITY/STATE at _____,
DATE on _____, 2008

Signed by (2): _____
Douglas O. Powell

CITY/STATE at _____,
DATE on _____, 2008

Signed by (3): _____
David L. Questad

CITY/STATE at _____,
DATE on _____, 2008

Signed by (4): _____
David J. Russell

CITY/STATE at _____,
DATE on _____, 2008

Signed by (5): _____
Sri M. Sri-Jayantha

CITY/STATE at Yorktown Heights, _____
DATE on _____, 01/18/08
2008

IBM DOCKET NUMBER: YOR920060722US1

ASSIGNMENT

Whereas, I, a below named and undersigned inventor, have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

Title of the Invention: **CLUSTERED STACKED VIAS FOR RELIABLE ELECTRONIC SUBSTRATES**

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having:

Patent No.: 8242593

Whereas, International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and I desire to grant to IBM, 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 ("ASSIGNOR") hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to IBM (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 IBM, its successors, legal representatives, and assigns, my 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 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 IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

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

[Inventor Signature Page(s) Follows]

IBM Assignment for an IBM U.S. utility patent application having a U.S. filing date BEFORE September 16, 2012

IBM DOCKET NUMBER: YOR920060722US1

(1) Name of Inventor: KARAN KACKER

Signature: _____ Date: _____

(2) Name of Inventor: DOUGLAS O. POWELL

Signature: _____ Date: _____

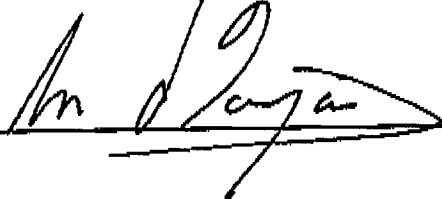
(3) Name of Inventor: DAVID L. QUESTAD

Signature: _____ Date: _____

(4) Name of Inventor: DAVID J. RUSSELL

Signature: _____ Date: _____

(5) Name of Inventor: SRI M. SRI-JAYANTHA

Signature:  _____ Date: 03/10/2015

[IF MORE INVENTORS, ADDITIONAL SIGNATURE PAGE(S) FOLLOWS]

IBM Assignment for an IBM U.S. utility patent application having a U.S. filing date BEFORE September 16, 2012