

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Donald R. Dean Jr.</td> <td>08/12/2009</td> </tr> <tr> <td>Glen L. Miles</td> <td>08/08/2009</td> </tr> <tr> <td>Edmund J. Sprogis</td> <td>08/20/2009</td> </tr> <tr> <td>Anthony K. Stamper</td> <td>08/24/2009</td> </tr> </tbody> </table>		Name	Execution Date	Donald R. Dean Jr.	08/12/2009	Glen L. Miles	08/08/2009	Edmund J. Sprogis	08/20/2009	Anthony K. Stamper	08/24/2009
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Anthony K. Stamper	08/24/2009										
RECEIVING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>International Business Machines Corporation</td> </tr> <tr> <td>Street Address:</td> <td>New Orchard Road</td> </tr> <tr> <td>City:</td> <td>Armonk</td> </tr> <tr> <td>State/Country:</td> <td>NEW YORK</td> </tr> <tr> <td>Postal Code:</td> <td>10504</td> </tr> </table>		Name:	International Business Machines Corporation	Street Address:	New Orchard Road	City:	Armonk	State/Country:	NEW YORK	Postal Code:	10504
Name:	International Business Machines Corporation										
Street Address:	New Orchard Road										
City:	Armonk										
State/Country:	NEW YORK										
Postal Code:	10504										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12555981</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12555981						
Property Type	Number										
Application Number:	12555981										
CORRESPONDENCE DATA											
<p>Fax Number: (518)449-0047</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Email: ldukes-brown@hoffmanwarnick.com</p> <p>Correspondent Name: Hoffman Warnick LLC</p> <p>Address Line 1: 75 State Street, 14th Floor</p> <p>Address Line 4: Albany, NEW YORK 12207</p>											
ATTORNEY DOCKET NUMBER:	BUR920090008US1										
NAME OF SUBMITTER:	Spencer K. Warnick										
<p>Total Attachments: 24</p> <p>source=BUR920090008US1_SignedAssignment#page1.tif</p> <p>source=BUR920090008US1_SignedAssignment#page2.tif</p>											

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source=ConfidentialAgreement#page2.tif

ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

Title of the Invention: **ARRANGING THROUGH SILICON VIAS IN IC LAYOUT**

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:

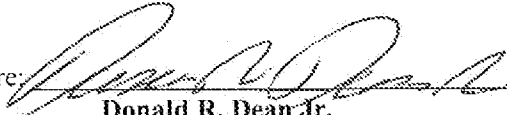
Serial Number: _____ (insert series code and serial number here if/when available)

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 each undersigned Inventor desires to grant to IBM, the 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, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers 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.

Each undersigned Inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned Inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent application Serial 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.

Executed by Inventor 1 of 5

Signature:  Date: 8/12/09
Donald R. Dean Jr.

Executed by Inventor 2 of 5

Signature: _____ Date: _____
Peter J. Lindgren

Executed by Inventor 3 of 5

Signature: _____ Date: _____
Glen L. Miles

Executed by Inventor 4 of 5

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Edmund J. Sprogis

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Signature: _____ Date: _____
 Anthony K. Stamper

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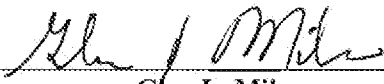
Executed by Inventor 1 of 5

Signature: _____ Date: _____
Donald R. Dean Jr.

Executed by Inventor 2 of 5

Signature: _____ Date: _____
Peter J. Lindgren

Executed by Inventor 3 of 5

Signature:  Date: August 5th, 2009
Glen L. Miles

Executed by Inventor 4 of 5

Signature: _____ Date: _____
Edmund J. Sprogis

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Executed by Inventor 3 of 5

Signature: _____ Date: _____
Glen L. Miles

Executed by Inventor 4 of 5

Signature: Edmund J. Sprogis Date: 8/20/2009
Edmund J. Sprogis

IBM DOCKET NUMBER: BUR920090008US1

Executed by Inventor 5 of 5

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Glen L. Miles

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Signature: _____ Date: _____
Edmund J. Sprogis

IBM DOCKET NUMBER: BUR920090008US1

Executed by Inventor 5 of 5

Signature:  Date: 8/24/09
Anthony K. Stamper

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Peter J. Lindgren	Conf. No.:	1668
Serial No.:	12/555,981	Art Unit:	Unknown
Filing Date:	September 9, 2009	Examiner:	Unknown
Title:	ARRANGING THROUGH SILICON VIAS IN IC LAYOUT	Docket No.:	BUR920090008US1 (IBMB-0207)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION REGARDING OWNERSHIP OF APPLICATION


Sir:

I, Richard Kotulak, an Intellectual Property Law Attorney for International Business Machines Corp. (IBM), hereby declare that:

1. On information and belief, the attached Agreement Regarding Confidential Information, Intellectual Property, and Other Matters (the Agreement) was executed by Peter J. Lindgren in consideration of his employment with IBM;
2. On information and belief, the Agreement assigned all rights to any Developments, including inventions conceived by Peter J. Lindgren, which: (a) relate to the actual or anticipated business or research or development of IBM; or (b) are suggested by or result from any task or work performed by Peter J. Lindgren for or on behalf of IBM or its subsidiaries, while Peter J. Lindgren was employed by IBM;
3. On information and belief, the Agreement obligated Peter J. Lindgren to disclose any such Developments in writing to the IBM Intellectual Property Law Department;

4. On information and belief, the attached Disclosure BUR8-2008-0241 (the Disclosure) was created by Anthony K. Stamper to disclose an invention conceived by Peter J. Lindgren to the IBM Intellectual Property Law Department as part of his obligation under the Agreement;
5. On information and belief, the Disclosure describes an invention conceived by Peter J. Lindgren that: (a) relates to the actual or anticipated business or research or development of IBM; and/or (b) was suggested by or resulted from a task or work performed by Peter J. Lindgren for or on behalf of IBM or its subsidiaries;
6. On information and belief, the above-referenced patent application seeks patent protection for the invention described in the Disclosure; and
7. On information and belief, as a result of Items 1-6, IBM is the exclusive owner of the above-referenced patent application.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further; that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent which this verified statement is directed.


Richard Kotulak, IP Law Attorney for IBM
Reg. No. 27, 712

Nov 3 2009
Date

Disclosure BUR8-2008-0241

Prepared for and/or by an IBM Attorney - IBM Confidential

Created By Tony Stamper On 04/17/2008 04:17:23 PM EDT

Last Modified By Enterprise Agentmgr On 04/17/2008 01:16:02 AM EST

*** Title of disclosure (in English)**

Through silicon via layout to avoid wafer breakage

Summary

Status	Final Decision (File)
Final deadline	
Final deadline reason	
Docket family	BUR9-2009-0008
* Processing location	Burlington
* Functional area	(Burlington - MD) All MD Inventors Located in Burlington
Attorney/Patent professional	Richard Kotulak/Burlington/IBM
Business Area Manager/IDT Lead	Jim Adkisson/Burlington/IBM
Evaluators	Bob Leidy/Burlington/IBM Bradley Orner/Burlington/IBM Frank White/Burlington/IBM Jed Rankin/Burlington/IBM Jennifer C Robbins/Burlington/IBM Jim Adkisson/Burlington/IBM Jim Nakos/Burlington/IBM Michael Hibbs/Burlington/IBM Natalie Feilchenfeld/Burlington/IBM
Submitted date	05/20/2008 03:44:23 PM EDT
* Owning division	MD
Incentive program	
Lab	Wildermuth
* Technology code	101L1
Patent value tool (PVT) score	35

Inventors with a Blue Pages entry

Inventors: Tony Stamper/Burlington/IBM, Peter Lindgren/Burlington/IBM, Glen Miles/Burlington/IBM, Edmund Sprogis/Burlington/IBM, Donald Dean Jr/Burlington/IBM

Inventor Name	Inventor Serial	Div/Dept	Inventor Phone	Manager Name
Stamper, Anthony K.	220955	29/E1AA	446-8466	BENOIT, JOHN J.
Lindgren, Peter J.	775369	29/BEVV	446-3371	Rassel, Robert
> Miles, Glen L.	045534	29/ITNA	533-4480	Giewont, Kenneth J. (Ken)
Sprogis, Edmund J. (Ed)	086641	29/7VMA	446-2596	Berger, Daniel G.
Dean Jr., Donald R.	582375	29/9MIV	446-4175	Litten, Susan M.

> denotes primary contact

Inventors without a Blue Pages entry

To set the invention development team for a specific Functional Area and/or Technology Code, click on

"Select...Functional Area" or "Select...TechnologyCode" in the action bar.

Attorney/Patent professional	Richard Kotulak/Burlington/IBM
Business area manager/IDT lead	Jim Adkisson/Burlington/IBM
Evaluators	Bob Leidy/Burlington/IBM Bradley Orner/Burlington/IBM Frank White/Burlington/IBM Jed Rankin/Burlington/IBM Jennifer C Robbins/Burlington/IBM Jim Adkisson/Burlington/IBM Jim Nakos/Burlington/IBM Michael Hibbs/Burlington/IBM Natalie Feilchenfeld/Burlington/IBM
Other interested parties who may view this disclosure	
Date evaluation response due to IP Law	06/20/2008

Main Idea

To view the main idea for this disclosure, click on this doclink --->⁽¹⁾ (If you are prompted to enter a server name, please enter D01DB068/01/A/IBM)

*Inventor Questions

- * 1. Select the single most appropriate technology category for your invention from the following technologies list.
(101L1) Tech Tag 100 Solid State Technologies-101L1 Silicides; Contacts & FEOL interconnects
Comments

Are there any additional significant markets where the invention is likely to have impact?

if yes, please identify them:

* 2. Have you implemented the invention (e.g., made a prototype) or otherwise shown that it is workable?

if Yes, then what date:

* 3. Has the subject matter of the invention or a product incorporating the invention been offered for sale, or is it likely to be offered for sale?

What product or service?

What is the product announce or release date or date on which the service was/will be provided? (for example, year, month, day)

What is the significance of the invention within the product or service?

What feature?

* 4. Has the invention been commercially used (internally or externally) by IBM or another entity (for example, including a customer)?

if Yes, please tell us the prototype/product/service, and when the use first started or is scheduled to start:

Prototype/Product:

Date:

* 5. In what type of product or service might a competitor include the invention?

* What competitor(s) (indicate home country of such competitors if not United States)?

* 6. How easily can the use of the invention by a third party be detected?

* 7. Is the invention applicable to an Information Technology standard such as those likely to be developed by org

if Yes, what organization (if you know) and which standard?

and Is IBM participating in the development or usage of the standard?

To review the Information Technology standards IBM is participating in, go to <http://w3.ibm.com/standards>

* 8. Have you, or any of the other inventors, submitted this same invention disclosure or a similar invention disclos

if Yes, please provide the disclosure number:

* 9. Please list the invention disclosures (previously submitted or about to be submitted), products, patents, or pub
(for example, pertaining to the problem you are solving, including other solutions to the problem), be they from y

* 10. Was the invention made in the course of any activity that involved any other party, be it

• The government

If you check "Yes" for this question, you will be prompted to provide

- contract number
- which country's government is issuing the contract
- division holding the contract
- government agency issuing the prime contract
- government program (if known)

• A customer
(such as RFQ, IGS engagement)

if yes, describe the activity

• A non-IBM development partner
(such as joint development activities)

if yes, describe the activity

• As part of a standards setting activity

if yes, describe the activity

• Other persons not employed by IBM

if yes, describe the activity

If Yes is answered to any of the above, please provide information sufficient to identify the activity (e.g., governm
party, client services principal, technical coordinator, etc.)

* 11. Have you ever disclosed your invention to anyone outside IBM, or do you plan to do so in the future?

if yes, please tell us whether the disclosure was (or will be) made, how made (or to be made), and whether or n
disclosure:

* 12a. Which ways could your invention be used for services?

* 12b. How could your invention be applied to those services?

* 13. Will this invention disclosure describe any hardware, software, technology, or services, designed or customi
satellites), government intelligence gathering, or weapons detection capacity?

- * **13a.** Will this invention disclosure describe the creation of software (**except as noted below****), ASICS, micropr
- Commercially developed products which also have known applications to military, crime control, nuclear, mis
 - Materials (chemicals, metals, etc.) for use in the item immediately above
 - Machine tools or robots or related equipment (e.g. numeric control programmed equipment)
 - Acoustic, electromagnetic, or optical sensors, navigation or avionics equipment, ships or related equipment
 - Commercially developed products which also have known applications to aircraft, marine, missile, space, or
 - Biometrics, voice recognition, or fingerprint analysis systems used in crime control other than in "one to one" for integrated circuit microelectronics applications (including silicon or semiconductor processing equipment

****Exceptions to software are inventions containing only the following technologies and enhancements to**

- Commercial application software (e.g. retail store systems programs)
- Middleware (e.g. Websphere Application Server, Tivoli Configuration Manager, DB2, UDB, etc.)
- Operating System software (e.g. i5/OS, z/OS)
- Code, functionality or tooling associated with any of the above (e.g. garbage collection associated with IBM's
- Code or functionality associated with business process improvements

The above question concerns technologies and possible export regulation requirements. If you have any question about your invention disclosure and you wish to discuss them with an export regulations coordinator (ERC), you can find your local ERC at 01.ibm.com/chq/ero/ero.nsf/Pages/Export+Contacts-IBM+Export+Network

14. If the invention relates to a product or service that is outside the scope of your business unit, please recommend a person who would provide a competent evaluation of your invention:

Final Evaluation Questions

To answer these questions, click

A. Threshold Questions

1. Operability - Is implementation of the invention possible?

Reasons for above answer:

2. Novelty - Are one or more concept(s) of the invention novel over what is already known in the literature, exist

Reasons for above answer:

B. Valuation Questions

1. Adequacy of description

Reasons for answer:

2. Technical contribution of invention:

Reasons for above answer:

3. Describe the problem solved/benefit provided and the implementation cost of the invention compared to exist

4. Are any alternatives to the invention available to those wishing to avoid its use?

5. Describe the likelihood of use of the invention (answer each):

IBM's customers?

IBM's suppliers/vendors?

IBM's competitors?

IBM?

Reasons for above answer:

6. What % of third party products in the technical field will likely contain the invention?

7. How long is the invention likely to be used in products by IBM or others?

8. How easily can use of the invention by a third party be detected?

This team evaluation was entered by Jim Adkisson/Burlington/IBM on, _____

What is the team's evaluation of this disclosure? Search _____

Date evaluated _____

Evaluation comments _____

Final Evaluation History	Who made the final evaluation	Final evaluation date
Search (PVT Score = 35)	Jim Adkisson/Burlington/IBM	

Search Information

Date sent:	*Target completion date:	Search results received date:
		Who was the search sent to (This area is to designate a Local Searcher name or WAIPL):
		*Search type:
		*Features to be searched:

Target completion date
Ship/return date
Search conducted by

Final Decision

This decision was entered by Richard Kotulak/Burlington/IBM on	
Decision: File	Status: N/A
PPM area:	
Date of final decision	

Additional filing information

Additional decision comments

Final Decision History

Entered by Richard Kotulak
File N/A Docket Family: BUR920090008

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(Form Disclosure, Revised 01-Dec-2006)

(1) -
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<u>ELAINE C. DEGIS</u> Employee's Manager/IBM Representative (please print)	<u>Elaine C. Degis</u> Signature	<u>03/18/96</u> Date	

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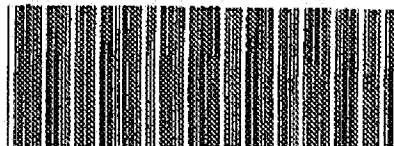
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