

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>David S Collins</td><td>08/12/2008</td></tr><tr><td>Kai D Feng</td><td>07/30/2008</td></tr><tr><td>Zhong-Xiang He</td><td>07/31/2008</td></tr><tr><td>Peter J Lindgren</td><td>08/01/2008</td></tr><tr><td>Robert M Rassel</td><td>07/31/2008</td></tr></tbody></table>	Name	Execution Date	David S Collins	08/12/2008	Kai D Feng	07/30/2008	Zhong-Xiang He	07/31/2008	Peter J Lindgren	08/01/2008	Robert M Rassel	07/31/2008	
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<table border="1"><tr><td>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			
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
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PATENT
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Total Attachments: 2

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ASSIGNMENT

Whereas, we

INVENTOR
AND CITY(1) **David S. COLLINS**
County of Chittendenof Williston,
and State of Vermont,and (2) **Kai D. FENG**
County of Dutchessof Hopewell Junction
and State of New York,and (3) **Zhong-Xiang HE**
County of Chittendenof Essex Junction,
and State of Vermont,and (4) **Peter J. LINDGREN**
County of Chittendenof Essex Junction,
and State of Vermont,and (5) **Robert M. RASSEL**
County of Chittendenof Colchester,
and State of Vermont,

have invented certain improvements in

STRUCTURE, DESIGN STRUCTURE AND METHOD OF MANUFACTURING A STRUCTURE HAVING VIAS AND HIGH DENSITY CAPACITORSDATES THAT
INVENTORS
SIGNED THE
DECLARATION

and executed, respectively, a United States patent application therefore on

(1) 8/12, 2008, (4) 8/1, 2008,(2) July 30, 2008, (5) 7/31, 2008,(3) 7/31, 2008,

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 therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, 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 in all foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed and sealed:

(1) David S. Collinson 8/12, 2008**David S. COLLINS**

(2) Kai D. Feng on July 30, 2008

Kai D. FENG

(3) He Zhong-Xiang on 7/31, 2008

Zhong-Xiang HE

(4) Peter J. Lindgren on 8/1, 2008

Peter J. LINDGREN

(5) Robert M. Rassel on 7/31, 2008

Robert M. RASSEL