

PATENT ASSIGNMENT

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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>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Louis Lu-Chen Hsu</td> <td>10/12/2007</td> </tr> <tr> <td>Jack Allan Mandelman</td> <td>10/09/2007</td> </tr> <tr> <td>William Robert Tonti</td> <td>10/10/2007</td> </tr> <tr> <td>Chih-Chao Yang</td> <td>10/12/2007</td> </tr> </tbody> </table>		Name	Execution Date	Louis Lu-Chen Hsu	10/12/2007	Jack Allan Mandelman	10/09/2007	William Robert Tonti	10/10/2007	Chih-Chao Yang	10/12/2007
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Jack Allan Mandelman	10/09/2007										
William Robert Tonti	10/10/2007										
Chih-Chao Yang	10/12/2007										
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											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11875345</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11875345						
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CORRESPONDENCE DATA											
Fax Number:	(507)253-2382										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	507-253-4661										
Email:	dapeters@us.ibm.com										
Correspondent Name:	IBM Corporation										
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Address Line 4:	Rochester, MINNESOTA 55901										
ATTORNEY DOCKET NUMBER:	ROC920060219US1										
NAME OF SUBMITTER:	James R. Nock										
Total Attachments: 8											

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**PATENT
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ASSIGNMENT

WHEREAS, we, Louis Lu-Chen Hsu, residing at Seven Crosby Court, Fishkill, New York 12524, Jack Allan Mandelman, residing at 11 Claremont Drive, Flat Rock, North Carolina 28731, William Robert Tonti, residing at Four Bluestem Road, Essex Junction, Vermont 05452, and Chih-Chao Yang, residing at 29 Windham Hill Road, Glenmont, NY 12077 made certain new and useful inventions and improvements for which we executed an application for Letters Patent of the United States on 10-12-2007, _____, _____, and _____, respectively, which is entitled DESIGN STRUCTURES INCORPORATING INTERCONNECT STRUCTURES WITH LINER REPAIR LAYERS.

AND WHEREAS, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation organized and existing under and by virtue of the laws of the State of New York, and having an office and place of business at New Orchard Road, Armonk, New York 10504 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

10-12-2007 
Date Louis Lu-Chen Hsu

Date Jack Allan Mandelman

Date William Robert Tonti

Date Chih-Chao Yang

ASSIGNMENT

WHEREAS, we, Louis Lu-Chen Hsu, residing at Seven Crosby Court, Fishkill, New York 12524, Jack Allan Mandelman, residing at 11 Claremont Drive, Flat Rock, North Carolina 28731, William Robert Tonti, residing at Four Bluestem Road, Essex Junction, Vermont 05452, and Chih-Chao Yang, residing at 29 Windham Hill Road, Glenmont, NY 12077 made certain new and useful inventions and improvements for which we executed an application for Letters Patent of the United States on

_____, October 9, 2007, _____, and _____,

respectively, which is entitled DESIGN STRUCTURES INCORPORATING INTERCONNECT STRUCTURES WITH LINER REPAIR LAYERS.

AND WHEREAS, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation organized and existing under and by virtue of the laws of the State of New York, and having an office and place of business at New Orchard Road, Armonk, New York 10504 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

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IBM ROC920060219US2
WH&E IBM-406US2
Assignment

Date

9 OCT 2007

Date

Date

Date

Louis Lu-Chen Hsu

Jack Allan Mandelman

Jack Allan Mandelman

William Robert Tonti

Chih-Chao Yang

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AND WHEREAS, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation organized and existing under and by virtue of the laws of the State of New York, and having an office and place of business at New Orchard Road, Armonk, New York 10504 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

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Louis Lu-Chen Hsu

Date

Jack Allan Mandelman

10/10/2007
Date



William Robert Tonti

Date

Chih-Chao Yang

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Date Louis Lu-Chen Hsu

Date Jack Allan Mandelman

Date William Robert Tonti

Oct. 12, 2007
Date Chih-Chao Yang 