

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<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>Robert Allen Hutchins</td> <td>09/29/2005</td> </tr> <tr> <td>Evangelos S. Eleftheriou</td> <td>09/29/2005</td> </tr> <tr> <td>Sedat Oelcer</td> <td>09/29/2005</td> </tr> </tbody> </table>		Name	Execution Date	Robert Allen Hutchins	09/29/2005	Evangelos S. Eleftheriou	09/29/2005	Sedat Oelcer	09/29/2005
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Robert Allen Hutchins	09/29/2005								
Evangelos S. Eleftheriou	09/29/2005								
Sedat Oelcer	09/29/2005								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	International Business Machines Corporation								
<b>Street Address:</b>	New Orchard Road								
<b>City:</b>	Armonk								
<b>State/Country:</b>	NEW YORK								
<b>Postal Code:</b>	10504								
<b>PROPERTY NUMBERS Total: 1</b>									
<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>11242343</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11242343				
Property Type	Number								
Application Number:	11242343								
<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(310)556-7984								
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<b>ATTORNEY DOCKET NUMBER:</b>	TUC920050057US1 (18.138)								
<b>NAME OF SUBMITTER:</b>	Happy Song								

Total Attachments: 2  
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CH \$40.00 11242343



Patent Docket: TUC920050057US1»

ASSIGNMENT

Whereas, we

- (1) Robert Allen Hutchins of Tucson,  
State of Arizona, and  
County of Pima
- (2) Evangelos S. Eleftheriou of Zurich,  
State of Switzerland, and
- (3) Sedat Oelcer of Kilchberg,  
State of Switzerland.

have invented certain improvements in:

DYNAMIC METHOD FOR ASYMMETRY COMPENSATION IN A STORAGE READ CHANNEL

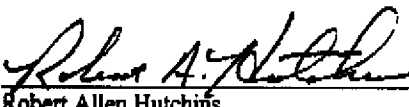
and executed, respectively, a United States patent application therefore on:

- (1) 9/29, 2005, (2) \_\_\_\_\_, 2005 and (3) \_\_\_\_\_, 2005

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM CORPORATION), 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, I, the above named, hereby sell, assign, and transfer to IBM CORPORATION, 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 invention set forth in said application to IBM CORPORATION, its successors and assigns; and I hereby agree that IBM CORPORATION 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 CORPORATION.

Signed and sealed

CITY DATE	(1) at <u>TUCSON</u> on <u>9/29</u> , 2005	 Robert Allen Hutchins	SIGNATURE INVENTOR
CITY DATE	(2) at _____ on _____, 2005	_____ Evangelos S. Eleftheriou	SIGNATURE INVENTOR
CITY DATE	(3) at _____ on _____, 2005	_____ Sedat Oelcer	SIGNATURE INVENTOR

Patent Docket: TUC920050057US1»

ASSIGNMENT

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State of Arizona, and  
County of Pima
- (2) Evangelos S. Eleftheriou of Zurich,  
State of Switzerland, and
- (3) Sedat Oelcer of Klotenberg,  
State of Switzerland.

have invented certain improvements in:

DYNAMIC METHOD FOR ASYMMETRY COMPENSATION IN A STORAGE READ CHANNEL


and executed, respectively, a United States patent application therefor on:

- (1) \_\_\_\_\_, 2005, (2) Sept. 29, 2005 and (3) Sept. 29, 2005

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM CORPORATION), 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 CORPORATION, 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 invention set forth in said application to IBM CORPORATION, its successors and assigns; and I hereby agree that IBM CORPORATION 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 CORPORATION.

Signed and sealed

CITY	(1) at _____	_____	SIGNATURE
DATE	on _____, 2005	Robert Allen Hutchins	INVENTOR
CITY	(2) at <u>Rueschlikon</u>		SIGNATURE
DATE	on <u>Sept 29</u> , 2005	Evangelos S. Eleftheriou	INVENTOR
CITY	(3) at <u>Rueschlikon</u>	<u>S. Oelcer</u>	SIGNATURE
DATE	on <u>Sept. 29</u> , 2005	Sedat Oelcer	INVENTOR