

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Nils Haustein</td> <td>09/19/2005</td> </tr> <tr> <td>Craig Anthony Klein</td> <td>09/19/2005</td> </tr> <tr> <td>Henry Zheng Liu</td> <td>09/19/2005</td> </tr> <tr> <td>Daniel James Winarski</td> <td>09/19/2005</td> </tr> </tbody> </table>		Name	Execution Date	Nils Haustein	09/19/2005	Craig Anthony Klein	09/19/2005	Henry Zheng Liu	09/19/2005	Daniel James Winarski	09/19/2005
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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>11231615</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11231615						
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Application Number:	11231615										
CORRESPONDENCE DATA											
Fax Number:	(801)531-1929										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	801-994-4646										
Email:	Hbabb@utahpatentlaw.com										
Correspondent Name:	Brian C. Kunzler										
Address Line 1:	8 East Broadway, Suite 600										
Address Line 4:	Salt Lake City, UTAH 84111										
ATTORNEY DOCKET NUMBER:	TUC920050023US1										
NAME OF SUBMITTER:	Brian C. Kunzler										
Total Attachments: 2 source=Assignment#page1.tif											

CH \$40.00 11231615

DOCKET: TUC920050023US1
Page 1 of 1

ASSIGNMENT

Whereas I/we

INVENTOR/CITY
COUNTY/STATE

- (1) Nils Haustein
City of Zornheim
Country of Germany
- (2) Craig Anthony Klein
County of Pima
City of Tucson
State of Arizona
- (3) Henry Zheng Liu
County of Pima
City of Tucson
State of Arizona
- (4) Daniel James Winarski
County of Pima
City of Tucson
State of Arizona

have invented certain improvements in

TITLE

APPARATUS, SYSTEM, AND METHOD FOR CONVERTING BETWEEN SERIAL
DATA AND ENCODED HOLOGRAPHIC DATA

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

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

- (1) 19.09.2005
- (2) _____
- (3) _____
- (4) _____

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 application 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:

CITY
DATE

- (1) at Zornheim Nils Haustein
on 9/19/05
- (2) at _____
on _____
Craig Anthony Klein
- (3) at _____
on _____
Henry Zheng Liu
- (4) at _____
on _____
Daniel James Winarski

DOCKET: TUC920050023US1

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on _____ Nils Haustein
- (2) at Tucson
on 9/19/2005 Craig Anthony Klein
- (3) at Tucson, AZ
on 09/19/05 Henry Zheng Liu
- (4) at Tucson, Arizona
on 19 Sept 2005 Daniel James Winarski