

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>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Colin Scott Dawson</td> <td>12/08/2004</td> </tr> <tr> <td>Kenneth Eugene Hannigan</td> <td>12/08/2004</td> </tr> <tr> <td>Glen Hattrup</td> <td>12/08/2004</td> </tr> <tr> <td>Avishai Haim Hochberg</td> <td>12/07/2004</td> </tr> <tr> <td>Donald Warren</td> <td>12/09/2004</td> </tr> <tr> <td>Christopher Zaremba</td> <td>12/08/2004</td> </tr> </tbody> </table>		Name	Execution Date	Colin Scott Dawson	12/08/2004	Kenneth Eugene Hannigan	12/08/2004	Glen Hattrup	12/08/2004	Avishai Haim Hochberg	12/07/2004	Donald Warren	12/09/2004	Christopher Zaremba	12/08/2004
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Donald Warren	12/09/2004														
Christopher Zaremba	12/08/2004														
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>11008403</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11008403										
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Application Number:	11008403														
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														
NAME OF SUBMITTER:	Brian C. Kunzler														
Total Attachments: 12															

CH \$40.00 11008403

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**PATENT
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Docket No: <DocketNo>
Page 1 of 2

ASSIGNMENT

Whereas I/we

INVENTOR/CITY
COUNTY/STATE

- (1) Colin Scott Dawson
County of Pima
City of Tucson
State of Arizona
- (2) Kenneth Eugene Hannigan
County of Pima
City of Tucson
State of Arizona
- (3) Glen Hattrup
County of Pima
City of Tucson
State of Arizona
- (4) Avishai Haim Hochberg
County of Santa Clara
City of San Jose
State of California
- (5) Donald Warren
County of Pima
City of Tucson
State of Arizona
- (6) Christopher Zarembo
County of Tioga
City of Endicott
State of New York

have invented certain improvements in

TITLE

APPARATUS, SYSTEM, AND METHOD FOR TRANSPARENT END-TO-END SECURITY OF STORAGE DATA IN A CLIENT-SERVER ENVIRONMENT

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

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

- (1) _____ (4) _____
- (2) _____ (5) 12-9-04
- (3) _____ (6) _____

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:

Docket No: «DocketNo»
Page 2 of 2

CITY
DATE

(1) at _____
on _____

Colin Scott Dawson

(2) at _____
on _____

Kenneth Eugene Hannigan

(3) at _____
on _____

Glen Hattrup

(4) at _____
on _____

Avishai Haim Hochberg

(5) at Tucson
on 12-9-04

Donald Warren
Donald Warren

(6) at _____
on _____

Christopher Zaremba

PATENT**TAIWAN OATH AND ASSIGNMENT**

1. The undersigned, (1) **Colin Scott Dawson**
 (2) **Kenneth Eugene Hannigan**
 (3) **Glen Hattrup**
 (4) **Avishai Haim Hochberg**
 (5) **Donald Warren**
 (6) **Christopher Zaremba**

citizen(s) of: (1) **United States of America**
 (2) **United States of America**
 (3) **United States of America**
 (4) **United States of America**
 (5) **United States of America**
 (6) **United States of America**

residing at: (1) **9884 East Fire Agate Place; Tucson, Arizona 85749**
 (2) **662 South Front Royal Drive; Tucson, Arizona 85710**
 (3) **9330 East Montea Place; Tucson, Arizona 85747**
 (4) **308 Huckleberry Drive; San Jose, California 95123**
 (5) **5327 W. Camino Del Desierto; Tucson, Arizona 85745**
 (6) **12 Newberry Drive; Endicott, New York 13760**

hereby undertake(s) that the entitled:

**APPARATUS, SYSTEM, AND METHOD FOR TRANSPARENT END-TO-END SECURITY OF
 STORAGE DATA IN A CLIENT-SERVER ENVIRONMENT**

was truly invented by us. The undersigned agree(s) to accept punishments provided for in laws in case of any imposture, plagiarism, imitation or deceptive activities.

2. The undersigned hereby assign(s) all rights and interests regarding the invention/new utility model/new design as far as the Republic of China is concerned to:

International Business Machines Corporation

(hereinafter called "Assignee"), a corporation organized and existing under the laws of the state of New York, United States of America,

and located at Armonk, New York 10504, United States of America,

and do hereby declare that the Assignee is entitled to applying for and obtaining patent rights on the invention/new utility model/new design in its own name in the Republic of China.

SJO920040073US1

	<u>Signature(s)</u>	<u>Date</u>
(1)	_____ Colin Scott Dawson	_____
(2)	_____ Kenneth Eugene Hannigan	_____
(3)	_____ Glen Hattrup	_____
(4)	_____ Avishai Haim Hochberg	_____
(5)	<i>Donald Warren</i> _____ Donald Warren	<u>12-9-04</u>
(6)	_____ Christopher Zarembo	_____

SJO920040073US1

Docket No. SJO920040073US1

Patents of Invention or Design - Thailand

DEED OF ASSIGNMENT

Title of Invention/Design: **APPARATUS, SYSTEM, AND METHOD FOR TRANSPARENT
END-TO-END SECURITY OF STORAGE DATA IN A CLIENT-SERVER ENVIRONMENT**

Assignors:

Colin Scott Dawson

Avishai Haim Hochberg

Kenneth Eugene Hannigan

Donald Warren

Glen Hattrup

Christopher Zaremba

Assignee: International Business Machines Corporation, New Orchard Road, Armonk, NY 10504, USA

The Assignor(s) declare that I/we are the inventor(s) of the above-mentioned invention/design and for due consideration hereby assign the right to apply for and obtain patents therefor in Thailand to the Assignee and the Assignee hereby accepts such assignment.

In witness whereof, the Assignor(s) and Assignee have signed their names below, effective on the date above.

ASSIGNORS:

Colin Scott Dawson

Avishai Haim Hochberg

Donald Warren

Kenneth Eugene Hannigan

Donald Warren

Glen Hattrup

Christopher Zaremba

ASSIGNEE:

Lynn D. Anderson (Reg. No. 46,412)
(Duly Authorized Signatory)

SJO920040073US1

TO: Donald Warren

DATE: 12-9-04

SUBJECT/Docket #: APPARATUS, SYSTEM, AND METHOD FOR TRANSPARENT END-TO-END SECURITY OF STORAGE DATA IN A CLIENT-SERVER ENVIRONMENT
SJO920040073US1

Important Legal Notice to Inventor

Attached for your review is a copy of the above-identified patent application. **PLEASE TAKE THE TIME TO REVIEW THE ENTIRE APPLICATION, INCLUDING ALL CLAIMS, FOR COMPLETENESS AND TECHNICAL ACCURACY.**

THE LAW IMPOSES A DUTY OF CANDOR AND GOOD FAITH ON INVENTORS. Under the law there is a duty on inventors to disclose all information they are aware of which is material to invention patentability.

INFORMATION IS MATERIAL IF THERE IS A SUBSTANTIAL LIKELIHOOD THAT A PATENT EXAMINER WOULD CONSIDER IT IMPORTANT. For example, information related to prior art having a bearing on the patentability of your claimed invention includes: (a) prior published articles, patents, product announcements, technical reports, lectures or other published material of IBM or others incorporating your invention or which might be considered as pertaining to your invention; (b) any public use of demonstrations of your invention or of apparatus or methods which might be considered as pertaining to your invention; (c) any sale of or offer for sale of products incorporating your invention or made by its use; (d) any commercial machine of which your invention is an improvement; and (e) pertinent work of others, including coworkers, of which you have knowledge.

INFORMATION RELATING TO INVENTOR SHIP SHOULD ALSO BE CONSIDERED. To be an inventor one must be able to identify his inventive contribution. If you have any question as to whether those named are properly inventors, or someone not named should be added as an inventor, you have a duty to disclose such information so that a legal determination can be made about **INVENTOR SHIP.**

IT IS ESSENTIAL THAT ALL ITEMS NOTED ABOVE, AS WELL AS ANY OTHER INFORMATION YOU BELIEVE MAY HAVE A BEARING ON THE CLAIMED INVENTION, BE BROUGHT TO MY ATTENTION PROMPTLY. In this manner you can satisfy your duty of disclosure and we can insure that all material information is disclosed.

Bryan W. Butler
Intellectual Property Law Attorney

AFTER READING THIS NOTICE PLEASE COMPLETE BELOW, SIGN AND RETURN.

I have the following information or question not previously provided or made about my invention (if none, so state):

None

Donald Warren
Donald Warren

12-9-04
Date

SJO920040073US1

Docket No: «DocketNo»
Page 1 of 2

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COUNTY/STATE

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State of Arizona
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and executed, respectively, a United States patent application therefor on the following date(s):

- (1) 12/8/2004 (4) _____
- (2) 12/8/2004 (5) _____
- (3) 12/8/04 (6) _____

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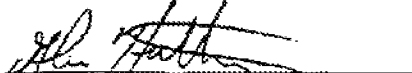
(1) at Tucson
on 12/18/2004


Colin Scott Dawson

(2) at Tucson
on 12/8/2004


Kenneth Eugene Hannigan

(3) at Tucson
on 12/5/04


Glen Hatrup

(4) at _____
on _____

Avishai Haim Hochberg

(5) at _____
on _____

Donald Warren

(6) at _____
on _____

Christopher Zaremba

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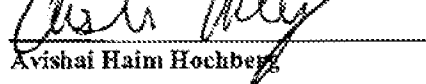
Page 2 of 2

CITY
DATE

(1) at _____
on _____ **Colin Scott Dawson**

(2) at _____
on _____ **Kenneth Eugene Hannigan**

(3) at _____
on _____ **Glen Hattrup**

(4) at San Jose
on Dec 7 2004 
Avishai Haim Hochberg

(5) at _____
on _____ **Donald Warren**

(6) at _____
on _____ **Christopher Zaremba**

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(4) at _____
on _____ Avishai Haim Hochberg

(5) at _____
on _____ Donald Warren

(6) at Endicott _____ Christopher Kazamba
on 12-8-04 _____ Christopher Kazamba

** TOTAL PAGE 02 **