DOCKET: SJO920050047US1

RECORDATION FORM COVER SHEET
PATENTS ONLY

US Department of Commerce
Patent & Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
William Todd Boyd **John Lewis Hufferd** **Agustin Mena, III** **Renato J. Recio** **Madeline Vega**	Name: **International Business** **Machines Corporation** Street Address: **New Orchard Road** City: **Armonk** State: **NY** ZIP: **10504**
Additional name(s) of conveying party(ies) attached __Yes XX No	Additional name(s) & address(es) attached? __Yes XX No

3.   Nature of conveyance:

   XX Assignment   Execution Date: 08/15/05; 08/27/05; 08/17/05; 08/17/05; 08/16/05

4.   Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:_____

A. Patent Application No.(s) **11/216,832**	B. Patent No.(s)
Additional numbers attached? __Yes XX No	

5. Name and address of party to whom correspondence concerning document should be mailed: Stephen J. Walder, Jr. Walder Intellectual Property Law, P.C. P.O. Box 832745 Richardson, Texas 75083 214-722-6419	6. Total Number of applications and patents involved: **One**

	7. Total fee (37 CFR 3.41).........$ **40.00**
	   __ Enclosed
	   X Authorized to be charged to
	      deposit account

	8. Deposit Account Number: **09-0466**

9.   Statement and signature.
   To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

   _Stephen J Walder_____   _October 7, 2005_____
   Stephen J. Walder, Jr.   Date
   Total number of pages including cover sheet, attachments, and document: /4/

**PATENT
REEL: 016859 FRAME: 0971**

ASSIGNMENT   Docket No. SJO920050047US1

INVENTOR AND CITY	Whereas, we	
	(1) William Todd Boyd County of Dutchess and (2) John Lewis Hufferd County of Santa Clara and (3)Agustin Mena, III County of Williamson and (4) Renato J. Recio County of Travis and (5) Madeline Vega County of Travis	of Poughkeepsie, and State of New York, of San Jose, and State of California, of Austin, and State of Texas, of Austin, and State of Texas, of Austin, and State of Texas,

have invented certain improvements in

TITLE
SYSTEM AND METHOD FOR OUT OF USER SPACE I/O DIRECTLY BETWEEN A HOST SYSTEM AND A PHYSICAL ADAPTER USING FILE BASED LINEAR BLOCK ADDRESS TRANSLATION

DATES THAT
INVENTORS
SIGNED THE
DECLARATION

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

(1) _August 15_, 2005, (2) _____, 2005, (3) _____, 2005,
(4) _____, 2005, (5) _____, 2005.

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, 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 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

CITY DATE	(1) at _Poughkeepsie, NY_ on _August 15_, 2005,	_William Todd Boyd_ (signature) William Todd Boyd SIGNATURE INVENTOR
CITY DATE	and (2) at _____ on _____, 2005,	_____ SIGNATURE John Lewis Hufferd INVENTOR
CITY DATE	and (3) at _____ on _____, 2005,	_____ SIGNATURE Agustin Mena, III INVENTOR
CITY DATE	and (4) at _____ on _____, 2005,	_____ SIGNATURE Renato J. Recio INVENTOR
CITY DATE	and (5) at _____ on _____, 2005.	_____ SIGNATURE Madeline Vega INVENTOR

PATENT
REEL: 016859 FRAME: 0972

<u>**ASSIGNMENT**</u>   Docket No. SJO920050047US1

INVENTOR   Whereas, we
AND CITY
                         (1) William Todd Boyd   of Poughkeepsie,
                         County of Dutchess   and State of New York,
                         and (2) John Lewis Hufferd   of San Jose,
                         County of Santa Clara   and State of California,
                         and (3)Agustin Mena, III   of Austin,
                         County of Williamson   and State of Texas,
                         and (4) Renato J. Recio   of Austin,
                         County of Travis   and State of Texas,
                         and (5) Madeline Vega   of Austin,
                         County of Travis   and State of Texas,

                         have invented certain improvements in

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DATES THAT   and executed, respectively, a United States patent application therefor on
INVENTORS
SIGNED THE   (1) _____, 2005, (2) _Aug. 27_, 2005, (3) _____, 2005,
DECLARATION   (4) _____, 2005, (5) _____, 2005.

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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 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
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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

CITY   (1) at _____   _____SIGNATURE
DATE   on _____, 2005,   William Todd Boyd   INVENTOR

CITY   and (2) at _San Jose CA_   _____SIGNATURE
DATE   on _Aug. 27_, 2005,   John Lewis Hufferd   INVENTOR

CITY   and (3) at _____   _____SIGNATURE
DATE   on _____, 2005,   Agustin Mena, III   INVENTOR

CITY   and (4) at _____   _____SIGNATURE
DATE   on _____, 2005,   Renato J. Recio   INVENTOR

CITY   and (5) at _____   _____SIGNATURE
DATE   on _____, 2005.   Madeline Vega   INVENTOR

ASSIGNMENT   Docket No. SJO920050047US1

INVENTOR
AND CITY

Whereas, we

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County of Dutchess   and State of New York,
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DATES THAT   and executed, respectively, a United States patent application therefor on
INVENTORS
SIGNED THE   (1) _____, 2005, (2) _____, 2005, (3) _Aug.17_, 2005,
DECLARATION   (4) _Aug.17_, 2005, (5) _Aug 16_, 2005.

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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 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

CITY   (1) at _____   _____ SIGNATURE
DATE   on _____, 2005,   William Todd Boyd   INVENTOR

CITY   and (2) at _____   _____ SIGNATURE
DATE   on _____, 2005,   John Lewis Hufferd   INVENTOR

CITY   and (3) at _Austin, TX_   _____ SIGNATURE
DATE   on _Aug.17_, 2005,   Agustin Mena, III   INVENTOR

CITY   and (4) at _Austin, TX_   _____ SIGNATURE
DATE   on _Aug.17_, 2005,   Renato J. Recio   INVENTOR

CITY   and (5) at _Austin, TX_   _____ SIGNATURE
DATE   on _Aug 16th_, 2005.   Madeline Vega   INVENTOR