Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Name of Assignor Harry W. Yudenfriend to Harry M. Yudenfriend previously recorded on Reel 020562 Frame 0921. Assignor(s) hereby confirms the assignor(s) name "Harry M. Yudenfriend" and hereby confirms the Corrected Assignment

CONVEYING PARTY DATA

Name	Execution Date
Mark P. Bendyk	11/30/2007
Daniel F. Casper	11/29/2007
John R. Flanagan	11/29/2007
Roger G. Hathorn	11/28/2007
Catherine C. Huang	11/29/2007
Matthew J. Kalos	01/07/2008
Louis W. Ricci	11/30/2007
Gustav E. Sittmann	11/29/2007
Harry M. Yudenfriend	11/29/2007

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

Property Type	Number
Application Number:	12030920

CORRESPONDENCE DATA

Fax Number: (860)286-0115

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 860-286-2929

Email: syopp@cantorcolburn.com

Correspondent Name: Cantor Colburn LLP

PATENT REEL: 021261 FRAME: 0178

500596497

OF HO

Address Line 1: 20 Church Street, 22nd Floor Address Line 4: Hartford, CONNECTICUT 06103 POU920070219US1 ATTORNEY DOCKET NUMBER: NAME OF SUBMITTER: Eric J. Baron **Total Attachments: 14** source=23P8966#page1.tif source=23P8966#page2.tif source=23P8966#page3.tif source=23P8966#page4.tif source=23P8966#page5.tif source=23P8966#page6.tif source=23P8966#page7.tif source=23P8966#page8.tif source=23P8966#page9.tif source=23P8966#page10.tif source=23P8966#page11.tif source=23P8966#page12.tif source=23P8966#page13.tif

source=23P8966#page14.tif

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

02/14/2008 500463760

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Mark P. Bendyk	11/30/2007
Daniel F. Casper	11/29/2007
John R. Flanagan	11/29/2007
Roger G. Hathorn	11/28/2007
Catherine C. Huang	11/29/2007
Matthew J. Kalos	01/07/2008
Louis W. Ricci	11/30/2007
Gustav E. Sittmann	11/29/2007
Harry W. Yudenfriend	11/29/2007

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Street Address:	New Orchard Road
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Phone: Email:

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Correspondent Name:

syopp@cantorcolburn.com

Address Line 1:

CANTOR COLBURN LLP

Address Line 2:

20 Church Street

22nd Floor

h e e e e e	ıl
Address Line 4: Hartford, CONNECTICUT 06103	
ATTORNEY DOCKET NUMBER:	POU920070219US1
NAME OF SUBMITTER:	Eric J. Baron
Total Attachments: 10 source=POU920070219US1_Assignments/source=POU920070219US1_Assign	#page2.tif #page3.tif #page4.tif #page5.tif #page6.tif #page7.tif #page8.tif #page9.tif

Docket No. POU920070219US1

INVENTOR(S)	Whereas, we
AND CITY	 Mark P. Bendyk of Hyde Park, County of Dutchess and State of NY 12538; Daniel F. Casper of Poughkeepsle, County of Dutchess and State of NY 12603; John R. Flanagan of Poughkeepsle, County of Dutchess and State of NY 12603; Roger G. Hathorn of Tucson, County of Pima and State of AZ 85750; Catherine C. Huang of Poughkeepsle, County of Dutchess and State of NY 12603; Matthew J. Kalos of Tucson, County of Pima and State of AZ 85718; Louls W. Ricci of Hyde Park, County of Dutchess and State of NY 12538; Gustav E. Sittmann of Webster Groves, County of St. Louis and State of MO 63119; and Harry M. Yudenfriend of Poughkeepsle, County of Dutchess and State of NY 12603;
•	have invented certain improvements in
TITLE	EXTENDED MEASUREMENT WORD DETERMINATION AT A CHANNEL SUBSYSTEM OF AN I/O PROCESSING SYSTEM
DATES THAT INVENTORS SIGNED THE DECLARATION	and executed, respectively, a United States patent application therefor on (1) 11 36 , 2007, (2) , 2007, (3) , 2007, (4) , 2007, (5) , 2007, (6) , 2007, (7) , 2007, (8) , 2007, (9) , 2007.
Whereas, INTE business at Arn the said applica	RNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of nonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in tion and invention, and to any United States and foreign patents to be obtained therefor;
Now therefore, to sell, assign, and and invention the priority resulting any Letters Pate hereby agree the	for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby it transfer to IBM, its successors and assigns, the entire right, title and interest in the said application erein disclosed for the United States and foreign countries, and in all foreign countries, and all rights of from the filing of said United States application, and we request the Commissioner of Patents to issue an granted upon the inventions set forth in said application to IBM, its successors and assigns; and we at IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary the United States and foreign applications when called upon to do so by IBM.

Signed and sealed Mark P. Bendyk	Bergh	on	200
Daniel F. Casper		on	200
John R. Flanagan		on,	200

	- On	27(183)
Roger G. Hathorn	on	, 2007
	on	, 2007
Catherine C. Huang		
	on	, 2007
Matthew J. Kalos		***************************************
	on	, 2007
Louis W. Ricci		,
	on	, 2007
Gustav E. Sittmann	•	·
Harry M. Vindonstriand	on	, 2007

Docket No. POU920070219US1

Whereas, we

INVENTOR(S) AND CITY

- Mark P. Bendyk of Hyde Park, County of Dutchess and State of NY 12538;
- Daniel F. Casper of Poughkeepsie, County of Dutchess and State of NY 12603; John R. Flanagan of Poughkeepsie, County of Dutchess and State of NY 12603;
- Roger G. Hathorn of Tucson, County of Pima and State of AZ 85750;
- Catherine C. Huang of Poughkeepsle, County of Dutchess and State of NY 12603;
- Matthew J. Kalos of Tucson, County of Pima and State of AZ 85718;
- Louis W. Ricci of Hyde Park, County of Dutchess and State of NY 12538;
- Gustav E. Sittmann of Webster Groves, County of St. Louis and State of MO 63119; and
- Harry M. Yudenfriend of Poughkeepsle, County of Dutchess and State of NY 12603; (9)

have invented certain improvements in

TITLE

EXTENDED MEASUREMENT WORD DETERMINATION AT A CHANNEL SUBSYSTEM OF AN I/O PROCESSING SYSTEM

DATES THAT INVENTORS SIGNED THE **DECLARATION** and executed, respectively, a United States patent application therefor on

(1)			
(3)	11/29		, 2007,
(5)	11/29	, 2007, (6)	, 2007,
(7)	11/30	, 2007, (8)	, 2007,
(9) _		, 2007.	

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 in all 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	
· .	on, 2007
Mark P. Bendyk	
Daniel I Caspa	on 11/29,2007
Daniel F. Oasper	on 11/29, 2007
John R Managan	

	on, 2007
Roger G. Hathorn Catherine C. Huang	on11/29, 2007
	on, 2007
Matthew Jokalos Lain Mr Rin.	on 11/30, 2007
Louis W. Ricci	on, 2007
Gustav E. Sittmann	11/29 2007

INVENTOR(S)	Whereas, we
AND CITY	 Mark P. Bendyk of Hyde Park, County of Dutchess and State of NY 12538; Daniel F. Casper of Poughkeepsie, County of Dutchess and State of NY 12603; John R. Flanagan of Poughkeepsie, County of Dutchess and State of NY 12603; Roger G. Hathorn of Tucson, County of Pima and State of AZ 85750; Catherine C. Huang of Poughkeepsie, County of Dutchess and State of NY 12603; Matthew J. Kalos of Tucson, County of Pima and State of AZ 85718; Louis W. Ricci of Hyde Park, County of Dutchess and State of NY 12538; Gustav E. Sittmann of Webster Groves, County of St. Louis and State of NO 63119; and Harry M. Yudenfriend of Poughkeepsie, County of Dutchess and State of NY 12603;
	have invented certain improvements in
TITLE	EXTENDED MEASUREMENT WORD DETERMINATION AT A CHANNEL SUBSYSTEM OF AN I/O PROCESSING SYSTEM
DATES THAT INVENTORS	and executed, respectively, a United States patent application therefor on
SIGNED THE DECLARATION	(1), 2007, (2), 2007, (3), 2007, (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, 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 in all foreign countries, and all rights of priority resulting from the filling 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		
	on	, 2007
Mark P. Bendyk		
	on	, 2007
Daniel F. Casper		
	on	, 2007
John R. Flanagan		

Roger G. Hathorn		on _ <i>11/28</i>	_, 2007
Catherine C. Huang		on	_, 2007
Matthew J. Kalos	ŧ	on	_, 2007
Louis W. Ricci		on	_, 2007
Gustav E. Sittmann		on	_, 2007
Harry M. Yudenfriend		on	_, 2007

Docket No. POU920070219US1

INVENTOR(S) AND CITY	Whereas, we (1) Mark P. Bendyk of Hyde Park, County of Dutchess and State of NY 12538; (2) Daniel F. Casper of Poughkeepsie, County of Dutchess and State of NY 12603; (3) John R. Flanagan of Poughkeepsie, County of Dutchess and State of NY 12603; (4) Roger G. Hathorn of Tucson, County of Pima and State of AZ 85750; (5) Catherine C. Huang of Poughkeepsie, County of Dutchess and State of NY 12603; (6) Matthew J. Kalos of Tucson, County of Pima and State of AZ 85718; (7) Louis W. Ricci of Hyde Park, County of Dutchess and State of NY 12538; (8) Gustav E. Sittmann of Webster Groves, County of St. Louis and State of MO 63119; and Harry M. Yudenfriend of Poughkeepsle, County of Dutchess and State of NY 12603;
TITLE ·	have invented certain improvements in EXTENDED MEASUREMENT WORD DETERMINATION AT A CHANNEL SUBSYSTEM OF AN I/O PROCESSING SYSTEM
DATES THAT INVENTORS SIGNED THE DECLARATION	and executed, respectively, a United States patcnt application therefor on (1)

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Signed and sealed			
Mark P. Bendyk		on	, 2007
Daniel F. Casper	. , , , , , , , , , , , , , , , , , , ,	on ,	
John R. Flanagan	an and an annual and an an annual and an	on	, 2007

	on	, 2007
Roger G. Hathorn		***************************************
produce.	on	, 2007
Catherine C. Huang Matthew J. Kalos	on Ji	n 7, 200%
A M. Dies.	on	2007
Louis W. Ricci	O.D.	2007
Gustav E. Sittmann	on	
Harry M. Yudonfriend	on	, 2007
HOTOLON YURODITIONS		

INVENTOR(S)	Whereas, we
AND CITY	 Mark P. Bendyk of Hyde Park, County of Dutchess and State of NY 12538; Daniel F. Casper of Poughkeepsie, County of Dutchess and State of NY 12603; John R. Flanagan of Poughkeepsie, County of Dutchess and State of NY 12603; Roger G. Hathorn of Tucson, County of Pima and State of AZ 85750; Catherine C. Huang of Poughkeepsie, County of Dutchess and State of NY 12603; Matthew J. Kalos of Tucson, County of Pima and State of AZ 85718; Louis W. Ricci of Hyde Park, County of Dutchess and State of NY 12538; Gustav E. Sittmann of Webster Groves, County of St. Louis and State of MO 63119; and Harry M. Yudenfriend of Poughkeepsie, County of Dutchess and State of NY 12603;
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Signed and sealed		
	on	, 2007
Mark P. Bendyk		
	on	, 2007
Daniel F. Casper		
	on	, 2007
John D. Flanagan		

	on, 200) 7
Roger G. Hathorn		
	on, 200) 7
Catherine C. Huang		
·	on, 200	37
Matthew J. Kalos		
	on, 200	07
Louis W. Ricci		
Gustav E. Sittmann Gustav E Addham	on November 29, 200	07
Gustav E. Sittmann		
	on, 200	07
Harry M. Yudenfriend		