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12-23-2008

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# PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TY	PE:	PE: CORRECTIVE ASSIGNMENT			
NATURE OF CO	NVEYANCE:	Corrective Assignment to correct the To correct the middle initial of Inventor Dale J. Riedy should read Dale F. Riedy previously recorded on Reel 020509 Frame 0031. Assignor(s) hereby confirms the Dale J. Riedy.			
CONVEYING PA	RTY DATA				
	Nai	me	Execution Da	te	
John R. Flannigan			01/28/2008		
Daniel F. Casper			01/28/2008		
Catherine C. Huan	g		01/28/2008		
Matthew J. Kalos			01/31/2008		
Dale F. Riedy			01/28/2008		
Gustav E. Sittmann			01/29/2008		
Ugochukwu C. Njoku			01/28/2008		
RECEIVING PARTY DATA					
Name:		iness Machines Corporation			
Street Address:	New Orchard Road				
City:	Armonk				
State/Country:	NEW YORK				
Postal Code: 10504					
PROPERTY NUMBERS Total: 1					
Property 7	Гуре	Number			
				I,	

http://epas.uspto.gov/com/receipt.jsp?iname=LW76XYQZVBWT-10341

12/18/2008 PATENT REEL: 022036 FRAME: 0093

Application Number: 120	030939			
CORRESPONDENCE DATA				
Fax Number:(860)286-0115Correspondence will be sent viaUS Mail when the fax attempt is unsuccessful.Phone:8602862929Email:jstevenson@cantorcolburn.comCorrespondent Name:Cantor Colburn LLPAddress Line 1:20 Church StreetAddress Line 2:22nd FloorAddress Line 4:Hartford, CONNECTICUT 06103				
NAME OF SUBMITTER:	Anne Davis Barry			
Signature:	/Anne Davis Barry/			
Date:	12/18/2008			
Total Attachments: 8 source=25U7955#page1.tif source=25U7955#page2.tif source=25U7955#page3.tif source=25U7955#page4.tif source=25U7955#page5.tif source=25U7955#page6.tif source=25U7955#page7.tif source=25U7955#page8.tif				
RECEIPT INFORMATION				
EPAS ID:         PAT750           Receipt Date:         12/18/20           Fee Amount:         \$40				

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http://epas.uspto.gov/com/receipt.jsp?iname=LW76XYQZVBWT-10341

Whereas, we

INVENTOR AND CITY

(1) John R. Flanagan County of Dutchess

(2) Daniel F. Casper County of Dutchess

(3) Catherine C. Huang County of Dutchess

(4)Matthew J. Kalos County of Pima

(5) Dale F. Riedy County of Dutchess

(6) Gustav E. Sittmann County of St. Louis

(7) Ugochukwu C. Njoku County of Westchester of Poughkeepsie, and State of New York,

of Poughkeepsie, and State of New York,

of Poughkeepsie, and State of New York.

of Tucson, and State of Arizona,

of Poughkeepsie, and State of New York,

of Webster Groves, and State of, Missouri

of Yonkers, and State of New York,

have invented certain improvements in

PROCESSING A VARIABLE LENGTH DEVICE COMMAND WORD AT A CONTROL UNIT IN AN I/O PROCESSING SYSTEM

DATES THAT INVENTORS SIGNED THE DECLARATION

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

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

PAGE 13

IBW BED 100 5 5MC05

01/20/2008 14:21 842-432-6400

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 L. 7 Mp	on, 2008
John R/Flanagan Daniel J. Casper Daniel F. Casper	on 1/28, 2008
Catherine C. Huang	on 2008
Matthew J. Kalos	on, 2008
Dil F. Riedy Dale F. Riedy	on 1/28, 2008
Gustav E. Sittmann	on, 2008
Ugochukwu C. Nioku	on, 2008

Whereas, we

INVENTOR AND CITY

(1) John R. Flanagan County of Dutchess

(2) Daniel F. Casper County of Dutchess

(3) Catherine C. Huang County of Dutchess

(4)Matthew J. Kalos County of Pima

(5) Dale F. Fliedy **County of Dutchess** 

(6) Gustav E. Sittmann County of St. Louis

(7) Ugochukwu C. Njoku County of Westchoster

of Poughkeepsie, and State of New York,

Docket No. POU920070304US1

of Poughkeepsie, and State of New York,

of Poughkeepsie, and State of New York.

of Tucson, and State of Arizona,

of Pougnkeepsic, and State of New York,

of Websler Groves, and State of, Missouri

of Yonkers, and State of New York,

#### have invented certain improvements in

PROCESSING A VARIABLE LENGTH DEVICE COMMAND WORD AT A CONTROL UNIT IN AN I/O PROCESSING SYSTEM

DATES THAT and executed, respectively, a United States patent application therefor on INVENTORS , 2008, (2) , 2008, (4) **1/3/** , 2008, (6) .... SIGNED THE \_ , 2008. \_\_\_\_, 2008, \_\_\_\_, 2008, DECLARATION (3) (5)

. , 2008,

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, tille and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

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Signed and sealed

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.

John R. Flanagan	on, 2008
Daniel F. Casper	on, 2008
Catherine C. Huang	on, 2008
Mather Jelen Mallhew J. Kalos	on 1/31,2008
Dale F. Riedy	on, 2008
Gustav E. Sittmann	on, 2008
Ugochukwu C. Njoku	on, 2008

Jan 29 08 12:16p Cynthia Sittmann

Siltmann

ASSIGNMENT

Docket No. POU920070304US1

INVENTOR AND CITY

 John R. Flanagan County of Dutchess

Whereas, we

(2) Daniel F. Casper County of Dutchess

(3) Catherine C. Huang County of Dutchess

(4) Matthew J. Kalos County of Pima

(5) Dale F. Riedy County of Dutchess

(6) Gustav E. Sittmann County of St. Louis

(7) Ugochukwu C. Njoku County of Westchester of Poughkeepsie, and State of New York,

of Poughkeepsle, and State of New York,

of Poughkeepsie, and State of New York.

of Tucson, and State of Arizona,

of Poughkeepsie, and State of New York,

of Webster Groves, and State of, Missouri

of Yonkers, and State of New York,

#### have invented certain improvements in

PROCESSING A VARIABLE LENGTH DEVICE COMMAND WORD AT A CONTROL UNIT IN AN I/O PROCESSING SYSTEM

DATES THAT INVENTORS SIGNED THE DECLARATION

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

(1)	, 2008, (2)	, 2008,
(3)	, 2008, (4)	, 2008,
(5)	, 2008, (6) 29 Jan	, 2008,
(7)	, 2008.	

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;

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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	, 2008
John R. Flanagan		
Daniel F. Casper	on	, 2008
Catherine C. Huang	, on	, 2008
	on	, 2008
Matthew J. Kalos		
Dale F. Riedy	on	, 2008
Dale F. Riedy Gustav E. Sittmann	on 29 Jan	, 2008
Ugochukwu C. Njoku	on	, 200B

Docket No. POU920070304US1

Whereas, we

INVENTOR AND CITY

(1) John R. Flanagan County of Dutchess

(2) Daniel F. Casper County of Dutchess

(3) Catherine C. Huang County of Dutchess

(4)Matthew J. Kalos County of Pima

(5) Dale F. Riedy County of Dutchess

(6) Gustav E. Sittmann County of St, Louis

(7) Ugochukwu C. Njoku County of Westchester of Poughkeepsie, and State of New York,

of Poughkeepsie, and State of New York,

of Poughkeepsie, and State of New York.

of Tucson, and State of Arizona,

of Poughkeepsie, and State of New York,

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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	. 2008
John R. Flanagan		
	on	
Daniel F. Casper		
	••	0000
Catherine C. Hueng	¢n	, 2008
	on	, 2005
Matthew J. Kalos		
Dale F. Riedy	оп	, 200в
	on	
Gustav E. Sittmann Myorhullin Charl	,/.	) <del>.</del>
Myshullin Unall	on 1/2	2008

Ugochukwu C. Njoku

Docket No. POU920070304US1

Whereas, we

INVENTOR AND CITY

(1) John R. Flanagan County of Dutchess

(2) Daniel F. Casper County of Dutchess

(3) Catherine C. Huang County of Dutchess

(4)Matthew J. Kalos County of Pima

(6) Dale F. Riedy County of Dutchess

(6) Gustav E. Sittmann County of St. Louis

(7) Ugochukwu C. Njoku County of Westchester of Poughkeepsie, and State of New York,

of Poughkeepsie, and State of New York,

of Poughkeepsie, and State of New York.

of Tucson, and State of Arizona,

of Poughkeepsie, and State of New York,

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of Yonkers, and State of New York,

have invented certain improvements in

PROCESSING A VARIABLE LENGTH DEVICE COMMAND WORD AT A CONTROL UNIT IN AN I/O PROCESSING SYSTEM

DATES THAT INVENTORS SIGNED THE DECLARATION

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

(1) 1-28	, 2008, (2)	1-28	08,
(3) 1-28	, 2008, (4) _		08,
(5) 1-28	, 2008, (6) _	, 20	08,
(7)	, 2008.		

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinalter 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;

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PAGE 13

IBW BED 100 5 5MC05

01/29/2008 14:51 845-432-9400

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 $1.71$ John R/Flanagan	on,2008
Daniel J. Casper Daniel F. Casper	on, 2008
Catherine C. Huang	on 1/28 2008
Matthew J. Kalos	on 2008
Dale F. Riedy	on <u>1/28</u> , 2008
Gustav E. Sittmann	on, 2008
·	on, 2008

Ugochukwu C. Njoku

PAGE 14

IBW BED LOP 5 5MC05

01/29/2008 14:51 845-432-9400

Jan 29 08 12:16p Cy

ASSIGNMENT

INVENTOR AND CITY

County of Dutchess (2) Daniel F. Casper County of Dutchess

Whereas, we

(1) John R. Flanagan

(3) Catherine C. Huang County of Dutchess

(4)Matthew J. Kalos County of Pima

(5) Dale F. Riedy County of Dutchess

(6) Gustav E. Sittmann County of St. Louis

(7) Ugochukwu C. Njoku County of Westchester Docket No. POU920070304US1

of Poughkeepsle, and State of New York,

of Poughkeepsie, and State of New York,

of Poughkeepsie, and State of New York.

of Tucson, and State of Arizona,

of Poughkeepsie, and State of New York,

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PROCESSING A VARIABLE LENGTH DEVICE COMMAND WORD AT A CONTROL UNIT IN AN I/O PROCESSING SYSTEM

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

(1)	 2008,	(2)			, 2008,
(3)	 2008,	(4)			, 2008.
(5)	 2008,	(6)	29	Sem.	, 2008,
(7)	 2008.				

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Signed and sealed

p.15

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John R. Flanagan	on	, 2008
Daniel F. Casper	on	, 2008
Catherine C. Huang	_ on	, 2008
Matthew J. Kalos	on	, 2008
Dale F. Riedy	on	, 2008
Gustav E. Sittmann Jule Estille	on 21 J	. 2008
Ugochukwu C. Njoku	on	, 2008

Whereas, we

INVENTOR AND CITY

(1) John R. Flanegan County of Dutchess (2) Deniel F. Casper

**County of Dutohess** 

(3) Catherine C. Huang County of Dutchess

(4) Matthew J. Kalos County of Pima

(5) Dale F. Riedy County of Dutchess

(6) Gustav E. Sittmann County of St. Louis

(7) Ugochukwu C. Njoku County of Westchester

of Poughkeepsie, and State of New York,

Docket No. POU920070304US1

of Poughkeepsie, and State of New York,

of Poughkeepsie, and State of New York.

of Tucson, and State of Arizona,

of Poughkeepsie, and State of New York,

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of Yonkers. and State of New York,

#### have invented certain improvements in

PROCESSING A VARIABLE LENGTH DEVICE COMMAND WORD AT A CONTROL UNIT IN AN VO PROCESSING SYSTEM

DATES THAT INVENTORS SIGNED THE

DECLARATION

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

2008. 2008, (2) (1) 2008, (4) 2008, (3) 2008, (6) (5) 2008 2008. 28 Tan

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Amonk, 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.

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<u>, 2008</u> on John R. Flanagan 2008 on Daniel F. Casper \_, 2008 on\_\_ Catherine C. Huang . 2008 on\_ Matthew J. Kalos , 2008 on , Dale F. Riedy , 2008 on Gustav E. Sittmann lorhullin Chart 28 2008 оп Ugoonukwu C, Njoku

Whoreas, we

INVENTOR AND CITY

 John R. Flanagan County of Dutchess
 Daniel F. Casper

County of Dutchess

(3) Catherine C. Huang County of Dutchess

(4)Matthew J. Kalos County of Pima

(5) Dale F. Riedy County of Dutchess

(6) Gustav E. Sittmann County of St. Louis

(7) Ugochukwu C. Njoku County of Westchoster of Poughkeepsie, and State of New York,

Docket No. POU920070304US1

of Poughkeepsie, and State of New York,

of Poughkeepsie, and State of New York.

of Tucson, and State of Arizona,

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 DATES THAT
 and executed, respectively, a United States patent application therefor on INVENTORS

 SIGNED THE
 (1)
 . 2008. (2)
 . 2008.

DECLARATION

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 foroign patents to be obtained therefor;

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John R. Flanagan	on, 20	808
Daniel F. Casper	on, 20	X08
Catherine C. Huang	on, 20	08
Mator Kelun	on 1/31,20	208
Dale F. Riedy	on, 20	)08
Gustav E. Sittmann	on	)08
Ugochukwu C. Njoku	on, 20	008

## PATENT ASSIGNMENT

# Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPI	E:	NEW ASSIGNMENT		
NATURE OF CON	VEYANCE:	ASSIGNMENT	ASSIGNMENT	
CONVEYING PAR	TY DATA			
Name		Execution Date		
John R. Flanagan		01/28/2008		
Daniel F. Casper		01/28/2008		
Catherine C. Huang		01/28/2008		
Matthew J. Kalos		01/31/2008		
Dale J. Riedy		01/28/2008		
Gustav E. Sittma	rmann 01/29/2008		01/29/2008	
Ugochukwu C. N	ljoku 01/28/2008			
Name: Street Address:	International Business Machines Corporation New Orchard Road			
City:	Armonk			
State/Country:	NEW YORK			
Postal Code:	10504			
PROPERTY NUMBERS Total: 1				
	ty Type Number		mber	
Property 1	L.	pplication Number: 12030939		
	ber:	12030939		
		12030939		

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Correspondence will be sent via US Mail when the fax attempt is				
unsuccessful.				
Phone: 860-286-2	860-286-2929			
Email: nminer@ca	nminer@cantorcolburn.com			
Correspondent Name: CANTOR COLBURN LLP-IBM POUGHKEEPSIE				
Address Line 1: 20 Church Street				
Address Line 2: 22nd Floor	22nd Floor			
Address Line 4: Hartford, CONNECTICUT 06103				
ATTORNEY DOCKET NUMBER:	POU920070304US1			
NAME OF SUBMITTER:	ITTER: Anne Davis Barry			
Signature:	/Anne Davis Barry/			
Date:	02/14/2008			
Total Attachments: 8				
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RECEIPT INFORMATION				
EPAS ID: PAT4754	PAT475496			
Receipt Date: 02/14/20	008			
Fee Amount: \$40				

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PATENT REEL: 022036 FRAME: 0112

## **RECORDED: 12/09/2008**