PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		

CONVEYING PARTY DATA

Name	Execution Date
Rick A. Hamilton II	10/31/2007
Paul A. Moskowitz	10/31/2007
Brian M. O'Connell	10/31/2007
Clifford A. Pickover	10/31/2007
James W. Seaman	10/31/2007

RECEIVING PARTY DATA

Name:	International Business Machines Corporation	
Street Address:	New Orchard Road	
City:	Armonk	
State/Country:	TEXAS	
Postal Code:	10504	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13616210

CORRESPONDENCE DATA

2817544914 Fax Number:

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

Phone: 281-758-0025

amalone@system.foundationip.com Email:

Correspondent Name: Andrew DeLizio Address Line 1: 15201 Mason Road Suite 1000-312 Address Line 2:

Address Line 4: Cypress, TEXAS 77433

ATTORNEY DOCKET NUMBER:	AUS920070801US4
NAME OF SUBMITTER:	Angula Malone
	PATENT

REEL: 029713 FRAME: 0017

Total Attachments: 15

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PATENT REEL: 029713 FRAME: 0018 FEB-15-1998 Ø1:54A FROM: T0:12817544914 P:5/13

AUS920070801US1

ASSIGNMENT

Whereas, we,

(1) Rick A. Hamilton II of Charlottesville, VA

(2) Paul A. Moskowitz of Yorktown Heights, NY

(3) Brian M. O'Connell of Cary, NC

(4) <u>Clifford A. Pickover</u> of Yorktown Heights, NY

(5) James W. Seaman of Falls Church, VA

have invented certain improvements in

USING SMART OBJECTS IN A VIRTUAL UNIVERSE TO CONSERVE COMPUTING RESOURCES

and executed, respectively, a United States patent application therefore on the following dates

(1)	Oct 318, 2007
	(Date declaration signed by Rick A. Hamilton II)
(2)	
	(Date declaration signed by Paul A. Moskowitz)
(3)	
	(Date declaration signed by Brian M. O'Connell)
(4)	
	(Date declaration signed by Clifford A. Pickover)
(5)	
	(Date declaration signed by James W. Seaman)

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 therefore;

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.

I hereby authorize and request my attorney, Andrew DeLizio, of DeLizio Gilliam, PLLC, 15201 Mason Road, Suite 1000-312, Cypress, TX 77433, to insert here in parentheses (10/31/07 , 11/932,319) the filing date and application number of said application when known.

(1)	Signed at	Charlottesille, Ut on (City)	n <u>Oct 31 4 ,</u> 2007
•		(City)	(Date)
			(Sul Alp Al
			Rick A. Hamilton II
			NORAL Hammon B
(2)	Signed at	on	
		(City)	(Date)
			Paul A. Moskowitz
			n . 2007
(3)	Signed at		
		(City)	(Date)
			Dia N. O'Canadi
			Brian M. O'Connell

AU	592007080108	•1				
(4)	Signed at	(City)	on	2007 (Date)		
				Clifford A. Pic	:kover	
(5)	Signed at	(City)	on	(Date), 2007		
				James W. Se	aman	

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(Data dealerstics sizeed by Boul A. Mankersite)

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(3)

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Page 1 of 3

p. 14

AUS920070801US1

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.

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				Rick A. Hamilton II
(2)	Signed at <i>How thouse NY</i> (City)	on	/0 -3√ (Date)	Paul A. Moskowitz
(3)	Signed at(City)	on	(Date)	, 2007
			***************************************	Brian M. O'Connell

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(4) Signed at _____ on ____(Date) Clifford A. Pickover

(5) Signed at ______ on ______, 2007 (City) (Date)

James W. Seaman

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- (2) Paul A. Moskowitz of Yorktown Heights, NY
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Page 1 of 3

PATENT REEL: 029713 FRAME: 0025 2007-10-31 12:21

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AUS920070801US1

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.

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(1)	Signed at	(City)	on	(Date)	, 2007	
				*********	Rick A. Hamilton II	•
(2)	Signed at	(City)	on	(Date)	, 2007	
				********	Paul A. Moskowitz	
(3)	Signed at	Purhen (City)	on	/ <i>0/3/</i> (Date)	2007	***************************************
				-#	Brian M. O'Connell	

Page 2 of 3

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James W. Seaman

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(4)	Signed at _	(City)	on	, 2007 (Date)
				Clifford A. Pickover
(5)	Signed at	(City)	on	, 2007 (Date)

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				Paul A. Moskowitz	
(3)	Signed at _	(City)	on	, 2007 (Date)	remanacu
				Brian M. O'Connell	

(4)	Signed at	402 K20011	on	00	3)	, 2007	
•	_	(CID) h			(Date)	selland a	Phi
					7	Clifford A. F	*********

(5)	Signed at	(City)	on	(Date) , 2007
				James W. Seaman

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					Brian M. O'Connell

(4)	Signed at		on		, 2007		
• •	~	(City)		(Date)			
					Clifford A. Pi		
(5)	Signed at	Falls Church		10-31-	. 2007		······································

(5) Signed at <u>Falls Church</u> on <u>10-31-</u>, 2007 (City) VA (Date)

James W. Şeaman