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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Yunwu Huang	10/12/2007
Jalal Uddin Mahmud	10/11/2007
Roger Alan Pollak	10/15/2007
John J. Ponzo	10/12/2007

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:	11872557

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ATTORNEY DOCKET NUMBER:	YOR920070491US1
NAME OF SUBMITTER:	Cathrine K. Kinslow

Total Attachments: 4

PATENT REEL: 019966 FRAME: 0137

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PATENT REEL: 019966 FRAME: 0138

ASSIGNMENT

Whereas, we.	Wh	er	eas	, we	
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(1) Yunwu Huang · of Chappaqua County of Westchester

and State of New York

and

(2) Jalal Uddin Mahmud of Centereach

County of Suffolk and State of New York

and

(3) Roger Alan Pollak of Pleasantville

County of Westchester and State of New York

and

(4) John J. Ponzo of Hawthorne

and State of New York County of Westchester

have invented certain improvements in

Method and Apparatus for Bridging Real-World Web Applications and 3D Virtual Worlds

and	executed,	respectively. ors Signed Decl	a United	States	patent	application	therefore	on
(Dat	es Invento	rs Signed Decl	aration) ((1) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	12-6	001		
(2)_				(3) 10	-15-2	5 07	, a	nd
(4)	10 /12	12000						

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 invention 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.

(1) Signed at Hawthorne, Ny on 10-12-2007 date

PATENT REEL: 019966 FRAME: 0139

IBM DOCKET NO. YOR920070491US1

and	(2)	Signed at	:	OTÍ .	
		_	city and state	date	
				Jalal Uddin Mahm	uđ
anđ	(3)	Signed at	dity and state		•
and	(4)	Şigned a	HANTODORNE N.	Roger Alan Poll 10 12 2007 date	ak
			city and state	John J. Pon	

ASSIGNMENT

Whereas, we,	
(1) Yunwu Huang County of Westchester	of <u>Chappaqua</u> and State of <u>New York</u>
and	
(2) Jalal Uddin Mahmud County of Suffolk	of <u>Centereach</u> and State of <u>New York</u>
and	
(3) Roger Alan Pollak County of Westchester	of <u>Pleasantville</u> and State of <u>New York</u>
and	
(4) <u>John J. Ponzo</u> County of <u>Westchester</u>	of <u>Hawthorne</u> and State of <u>New York</u>
have invented certain improvements	in
Method and Apparatus for Bridging	Real-World Web Applications and 3D Virtual Worlds
and executed, respectively, a Unit (Dates Inventors Signed Declaration (2) Oct. 1, 2007 (4)	ed States patent application therefore on) (1), _, (3), and
New York, having a place of busine called IBM), desires to acquire th	ESS MACHINES CORPORATION, a corporation of ss at Armonk, New York 10504, (hereinafter e entire right, title and interest in the d to any United States and foreign patents
acknowledged, we, the above named IBM, its successors and assigns, the said application and invention the foreign countries, and in all fore resulting from the filing of said the Commissioner of Patents to is invention set forth in said applicand we hereby agree that IBM may invention and we will execute all	e consideration, receipt whereof is hereby d, hereby sell, assign, and transfer to he entire right, title and interest in the erein disclosed for the United States and sign countries, and all rights of priority United States application, and we request sue any Letters Patent granted upon the sation to IBM, its successors and assigns; apply for foreign Letters Patent on said papers necessary in connection with the ons when called upon to do so by IBM.
(1) Signed at city and state	on date
	V V
	Yunwu Huang

Page 1 of 2

PATENT REEL: 019966 FRAME: 0141

IBM DOCKET NO. YOR920070491US1

and	(2)	Signed at	Cenfeneach, NY	on _	oct	11, 2007 date	<u>.</u> ·
				<u> </u>		Jalal Uddin	Mahmud
and	(3)	Signed at	city and state	on _		date	<u>.</u> .
						Roger Alan	Pollak
and	(4)	Signed at	city and state	on		date	_•
						John J.	Ponzo