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DOCKET: TUC920030137US1
US Department of Commerce
Patent & Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): Name of conveying party(ies): Alex Q. CHEN Name: International Business James CHEN Machines Corporation Olympia GLUCK Theodore T. HARRIS, Jr. Minh-Ngoc HUYNH Street Address: New Orchard Road Gabriel G. WALDER City: Armonk State: NY ZIP: 10504 Additional name(s) of conveying Additional name(s) & address(es) attached? party(ies) attached Yes XX No Yes XX No Nature of conveyance: 3. Assignment Execution Date: 11/19/03; 11/18/03; 11/19/03; 11/19/03; 11/19/03; 11/19/03 10719484 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: 11/19/03; 11/18/03; 11/19/03; 11/19/03; 11/19/03; 11/19/03 B. Patent No.(s) A. Patent Application No.(s) Additional numbers attached? Yes XX No Name and address of party to whom 6. Total Number of applications and patents 5. correspondence concerning document involved: One should be mailed: 7. Total fee (37 CFR 3.41).....\$ 40.00 Name · Dale F. Regelman Address: Law Office of Dale F. Regelman XX Enclosed (Form PTO-2038). Any excess 4231 S. Fremont Avenue or insufficiency should be credited Tucson, Arizona 85701 or debited to deposit account Authorized to be charged to deposit account 1/2/03/2003 DBYRNE 00000022 10719484 (Duplicate Copy Attached) 01 FC:8021 40.00 DR Deposit Account Number: 502262 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. November 20, 2003 Regelman Date Total number of pages including cover sheet, attachments, and document: /- 7 -/

## ASSIGNMENT

Docket No. TUC920030137US1 Page 1 of 2

Whereas, we

(1	) Alex (	h Chen of	Tucson,	County of	Pima and	d State of	Arisona,	and
	s Chem of							
Olympia	Gluck of E	leife, Cou	ntry of	Egrael, an	d (4) Th	eodore T.	Harris, 3	Jr. of
Tuesan,	County of	Pima and	State of	Arizona,	and (5) !	Minh-Ngoc	Huynh of	Ban
Jose, Co	unty_of		and (	State of C	aliforni	and (6)	Gabriel	G.
Walder o	E YSKAT		untry of	Israel,				

having invented certain improvements in

## APPARATUS AND METHOD TO PROVIDE INFORMATION FROM A FIRST IMPORMATION STORAGE AND RETRIEVAL SYSTEM TO A SECOND IMPORMATION STORAGE AND RETRIEVAL SYSTEM

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

1)	11-19	2003	2) 11-18 , 20	093
3)		2003	4) (1-19, 20	003
5)		2003	6) 11 - 19 , 20	003.

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, I, 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 I 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 I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will exacute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

(1) at Tueson, AE on _///9, 2003,	out the
on <u>////7</u> , 2003,	Alex & Chen

ASSIGNMENT

Docket No. TUC920030137081 Page 2 of 2

(2) at Tucson, AE on \_//-/&\_\_. 2003. (3) at Weife, Israel Olympia Gluck on \_\_\_\_\_, 2003, (4) at Tueson, AE on 1/-19 , 2003, (5) at San Jose, CA Minh-Ngoc Enyah

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Docket No. TUC920030137US1 Page 1 of 2

Whereas, we (1) A	•			
(1) James Che	May'A Chan of			
Olympia Gluck Tucson, County Jose, County Walder of	en of <b>Tucson,</b> ( c of <b>Haifa,</b> Col cy of <b>Fime a</b> nd	County of Pi intry of Isi State of Ai and Sta ountry of Is	ima and State of rael, and (4) T rasonm, and (5) ate of Californ srael,	und State of Arizona, and of Arizona, and (3) Theodore T. Harris, Jr. o Minh-Ngot Huynh of San Maa, and (6) Gabriel G.
	FIRST IMPORMA	TON STORAGE		ORNATION FROM A SYSTEM TO A SECOND VAL SYSTEM
and executed,	respectively,	a United S	States patent a	application therefor on
1) 3) <b>79</b> 5)	Nor-	, 2003 , 2003 , 2003	2) 4) 6)	, 2003 , 2003 , 2003.
	invention, a obtained the	and to any (	<b>Jnited States</b> a	l application and and and foreign patents to be
Now then	acknowledged transfer to title and in therein disc and all right United State Patents to inventions s successors a for foreign	i, I, the ab IBM, its subtreest in to closed for to its of priories application is sue any Le ist forth in ind assigns, Letters Pat	ove named, her iccessors and a che said applicable United States of the United States of the Control of the Fatent of the Said applicates and I hereby tent on said in	eceipt whereof is hereby seby sell, assign, and assigns, the entire right action and invention as and foxeign countries from the filling of said ast the Commissioner of aranted upon the ion to IBM, its agree that IBM may apply wention and I will action with the United
				called upon to do so by

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assignment

Docket No. TUC920030137U81 Page 2 of 2

(2) at Tueson, Az	
on, 2003,	James Chen
(3) at <b>Haifa, Israel</b> on <u>19 Nov 2003</u> , 2003,	Olympia Sluck
(4) st Tuoson, AZ on, 2003,	Theodora T. Harris, Jr.
(5) at Sen Jose, CA on, 2003,	Minh-Mgoa Huynh
(6) at, Israel	Gabriel G. Walder

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## ASSIGNMENT

Docket No. TUC920030137061

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Whereas, we	, ,			
	ex O. Chen of Tucson	ı. County	of Pima and State of	Arizona. and
(2) James Chen	of Tueson, County of	of Pima an	d State of Arisona,	and (3)
			and (4) Theodore 7.	
Tueson, County	of Pina and State of	f Arizona	, and (5) Ninh-Ngoc	Huynh of San
Wolder of	Country o	State or	California, and (6)	GADTlei G.
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having inventa	d certain improvemen	ts in		
_			TOTAL THEORY FROM THE	
<b>*</b>			METRIKVAL SYSTEM TO TO RETRIEVAL SYSTEM	a second
	201000022201	orthware 20,	MAXALEVAN SISIER	
and executed,	respectively, a Unit	ed States	patent application	therefor on
1)	, 2003	2)		, 2003
3)		4)		, 2003
\$)	11/19 , 2003	6)		
Whereas,	international busine	SS MACHIN	BS CORPORATION, a co	rporation of
	New York, having a	place of 1	business at Armonk.	New York
	10504, (hereinafter	called I	BM), desires to acqu	ire the entire
	right, title and in	cerest in	the said application	n and
	obtained therefor;	ny uniced	States and foreign	patents to be
Now therei	ore, for a valuable	considera	ation, receipt where	of it hereby
	acknowledged, I, th	e above m	med, bereby sell, a	ssion, and
	transfer to IBM, it	s successo	ors and assigns, the	entire right.
	title and inserest	in the sa:	id application and is	nvention
	therein disclosed I	or the Un;	ited States and fore:	lgn countries,
	and all rights of pi United States annli	riority re	esulting from the fill ad I request the Com	ling of said
	Patents to issue an	v Letters	Patent granted upon	TREIDHEL OI
	inventions set fort	h in said	application to IBM.	its
	successors and assig	me; and I	hereby agree that ?	TEM may appliv
	for foreign Letters	Patent or	said invention and	I will
	execute all papers :	recessary	in connection with t	he United
	States and feweign : IBM.	spplicatio	ms when called upon	to do so by
	± <b>5</b> 47 •			
(1) at Tueson,	ħZ			
<b>ФП</b>	, 2003,	Alex Q.	Chen	
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**RECORDED: 11/20/2003** 

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