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Form PTO-1595 0022.0058	10-10-		U.S. DEPARTMENT OF C Patent and Trade	
To the Honorab	10257	2742	original documents or copy thereof.	•
1) Robert Francis Bartfai 1) 2) William Frank Micka 2) 3) Thomas Charles Jarvis 3) 4) Olympia Gluck 4) 5) Michael E. Factor 5) 6) Irit Dolev 6) 7) Warren K. Stanley 7) 8) Martin Jacob Tross 8) 9) Sam Clark Werner 9) 10) Aviad Zlotnick, and 116		International Busin Armonk, New Yorl	es of receiving party(ies): ess Machines Corporation k 10504 t address(es) attached? □ Yes ☒ No	22141 U.S. PTO 10/675317
 Other Application number(s) or patent number(s): If this document is being filed together with a ne 	w application, the execution date of the app	5317 plication is: Teptember 29.	, 2003	
A. Patent Application No.(s):		B. Patent No.(s):		
	Additional number	rs attached? □ Yes ☒ No		
5. Name and address of party to whom correspond concerning document should be mailed:	ence	6. Total number o	f applications and patents involved: [1]	
Janaki K. Davda KONRAD RAYNES VICTOR & MAN 315 S. Beverly Drive, Suite 210 Beverly Hills, CA 90212	IN LLP	□ Enclosed	FR 3.41)\$ <u>40</u>	
10/09/2003 ECOOPER 00000111 090466	10675317		be charged to deposit account	
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PATENT REEL: 014569 FRAME: 0251

0022.0058

ASSIGNMENT

Whereas, we

INVENTOR AND CITY

(1) Robert Francis Bartfai

County of Pima

(2) William Frank Micka

County of Pima

(3) Thomas Charles Jarvis

County of Pima
(4) Olympia Gluck

County of

(5) Michael E. Factor

County of
(6) Irit Dolev
County of

(7) Warren K. Stanley County of Pima

(8) Martin Jacob Tross

County of

(9) Sam Clark Werner County of Pima (10) Aviad Zlotnick

County of

(11) Gail Andrea Spear

County of Pima

of Tucson

and State of Arizona

of Tucson

and State of Arizona

of Tucson

and State of Arizona

of Haifa

and Country of ISRAEL

of Haifa

and Country of ISRAEL

of Haifa

and Country of Israel

of Tucson

and State of Arizona

of Haifa

and Country of Israel

of Tucson

and State of Arizona

of D.N.G.T.

and Country of ISRAEL

of Tucson

and State of Arizona

have invented certain improvement in

TITLE

METHOD, SYSTEM, AND PROGRAM FOR ASYNCHRONOUS COPY

Page 1 of 3

PATENT REEL: 014569 FRAME: 0252

0022.0058

DATES THAT	
INVENTORS	
SIGNED THE	
DECLARATIO	Ì

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

(1) <u>69/45/</u> ,2003, (2) <u>9/24/63</u>, 2003, (3) <u>5Fet 25</u> ,2003, (4) _____, 2003.

(5) _____, 2003, (6) _____, 2003, (7) <u>Sept 25</u> ,2003, (8) _____, 2003, (9) <u>5ept 25</u> ,2003, (10) _____, 2003, and (11) <u>_____, t 25</u> ,2003

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM CORPORATION), 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, I, the above named, hereby sell, assign, and transfer to IBM CORPORATION, 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 invention set forth in said application to IBM CORPORATION, its successors and assigns; and I hereby agree that IBM CORPORATION may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM CORPORATION.

Signed and sealed

CITY DATE	(1) at $Tvcsox A \ge$ on $09/25$, 2003,	Robert Francis Bartfai	SIGNATURE INVENTOR
CITY DATE	(2) at Tyeron, Az on 9/26, 2003,	William F. William Frank Micka	SIGNATURE INVENTOR
CITY	(3) at TUCSON AZ on SEPT. 25, 2003,	Momas Charles Jarvis	SIGNATURE INVENTOR
CITY DATE	(4) at, 2003,	Olympia Gluck	SIGNATURE INVENTOR
CITY DATE	(5) at, 2003,	Michael E. Factor	SIGNATURE INVENTOR
CITY DATE	(6) at, 2003,	Irit Dolev	SIGNATURE INVENTOR
CITY DATE	(7) at Jugson, A2 on <u>opt 25'</u> , 2003,	Warren K. Stanley	SIGNATURE INVENTOR

Page 2 of 3

0022.0058

CITY DATE	(8) at, 2003,	Martin Jacob Tross	SIGNATURE INVENTOR
CITY DATE	(9) at Tucson, AZ on Sept. 25, 2003,	Sam Clark Worner	SIGNATURE INVENTOR
CITY DATE	(10) at, 2003,	Aviad Zlotnick	SIGNATURE INVENTOR
CITY DATE	(11) at Tucson, AZ on Set 25, 2003,	Gail Andrea Spear	SIGNATURE INVENTOR

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ASSIGNMENT

Whereas, we

INVENTOR AND CITY

(1) Robert Francis Bartfai

County of Pima

(2) William Frank Micks

County of Pima

(3) Thomas Charles Jarvis

County of Pima

Olympia Gluck

County of

Michael E. Factor

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Trit Dolev
County of

(7) Warren K. Stanley

County of Pima

(8) Martin Jacob Tross

County of

(9) Sam Clark Werner

County of Pima

(Aviad Zlotnick

County of

(11) Gail Andrea Spear

County of Pima

of Tucson

and State of Arizona

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of Haifa

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TITLE

METHOD, SYSTEM, AND PROGRAM FOR ASYNCHRONOUS COPY

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PATENT

REEL: 014569 FRAME: 0255

Docket: TUC920030119US1 0022.0058

DATES THAT INVENTORS SIGNED THE DECLARATION Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM CORPORATION), 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, I, the above named, hereby sell, assign, and transfer to IBM CORPORATION, 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 invention set forth in said application to IBM CORPORATION, its successors and assigns; and I hereby agree that IBM CORPORATION may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM CORPORATION.

Signed and sealed

CITY	(1) at		SIGNATURE
DATE	on, 2003,	Robert Francis Bartfai	INVENTOR
CITY	(2) at		SIGNATURE
DATE	(2) at, 2003,	William Frank Micka	INVENTOR
CITY	(2) at		SIGNATURE
DATE	(3) at, 2003,	Thomas Charles Jarvis	INVENTOR
CITY DATE	(4) at * HATEA, ISRAEL on \$3/09/29, 2003,	Olympia Gluck	SIGNATURE
CITY DATE	(5) at Hanka, Isrcel on = 500 29 63, 2003,	Michael E. Factor	SIGNATURE INVENTOR
CITY DATE	(6) at = HAIFA, TSRAFL on = 526. 24, 2003,	Int Dolev	SIGNATURE INVENTOR
CITY	(7) át		SIGNATURE
DATE	on . 2003.	Warten K Stanley	INVENTOR

Page 2 of 3

	. •	Docket:	TUC920030119US1 0022.0058
CITY DATE	(8) at // 4 Isnall on 52p 2g, 2003.	Martin Jacob Tross	SIGNATURE
CITY DATE	(9) at, 2003,	Sam Clark Werner	SIGNATURE
CITY DATE	(10) at y Haifa Isnay on _ = Cop. 24 . 2003.	Aviad Zlopakie	SIGNATURE INVENTOR
CITY DATE	(11) at, 2003,	Gail Andrea Spear	SIGNATURE INVENTOR

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