

07-22-1999



101098302

Docket-ST9-99-015

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- (1) Takeshi Hoshino
- (2) Hiroaki Katahira
- (3) Fumitoya Kawano
- (4) Francis Joseph Ricchio
- (5) Shinji S. Satoh
- (6) Takashi Ueyama

2. Name and address of receiving party(ies):

International Business Machines Corporation
Armonk, New York 10504

Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

Additional name(s) & address(es) attached? ☒ No

3. Nature of conveyance:

☒ Assignment

Execution Date: (1) June 21, 1999, (2) June 24, 1999, (3) June 22, 1999, (4) July 2, 1999, (5) June 23, 1999, (6) June 22, 1999.

4. 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: June 21, 1999

A. Patent Application No.(s)

B. Patent No.(s)

09/351961

Additional numbers attached? ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: George H. Gates
Address: GATES & COOPER
6701 Center Drive West, Suite 1050
Los Angeles, California 90045

6. Total number of applications and patents involved: One

7. Total fee (37 CFR 3.41): \$40
☒ Authorized to be charged to Deposit Account No. 09-0460 of the I.B.M. Corporation, assignee of the present application.

8. Please charge any additional fees or credit any overpayments to Deposit Account No. 09-0460.

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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.

George H. Gates

Name of Person Signing

Signature

July 12, 1999

Date

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Whereas, we

INVENTOR
AND CITY

(1) Takeshi Hoshino of Chiba,
Country of Japan,

and (2) Hiroaki Katahira of San Jose,
County of Santa Clara and State of California,

and (3) Fumitoyo Kawano of Tokyo,
Country of Japan,

and (4) Francis Joseph Ricchio of San Jose,
County of Santa Clara and State of California,

and (5) Shinji S. Satoh of Chiba,
Country of Japan,

and (6) Takashi Ueyama of Kanagawa,
Country of Japan,

have invented certain improvements in

TITLE **RESOLVING LONG-BUSY CONDITIONS FOR SYNCHRONIZED DATA SETS**

DATES THAT
INVENTORS

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

SIGNED THE
DECLARATION

(1) June 21, 1999, (2) _____, 1999, (3) June 22, 1999,
(4) _____, 1999, (5) June 23, 1999, (6) June 22, 1999.

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 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.

Signed

CITY	(1) at <u>Chiba</u>	<u>Takeshi Hoshino</u>	SIGNATURE
DATE	on <u>June 21</u> , 1999,	Takeshi Hoshino	INVENTOR
CITY	and (2) at _____	_____	SIGNATURE
DATE	on _____, 1999,	Hiroaki Katahira	INVENTOR
CITY	and (3) at <u>Tokyo</u>	<u>Fumitoyo Kawano</u>	SIGNATURE
DATE	on <u>June 22</u> , 1999,	Fumitoyo Kawano	INVENTOR
CITY	and (4) at _____	_____	SIGNATURE
DATE	on _____, 1999,	Francis Joseph Ricchio	INVENTOR
CITY	and (5) at <u>Chiba</u>	<u>Shinji S. Satoh</u>	SIGNATURE
DATE	on <u>June 23</u> , 1999,	Shinji S. Satoh	INVENTOR
CITY	and (6) at <u>Kanagawa</u>	<u>Takashi Ueyama</u>	SIGNATURE
DATE	on <u>June 22</u> , 1999,	Takashi Ueyama	INVENTOR

Whereas, we

INVENTOR
AND CITY

(1) Takeshi Hoshino Country of Japan,	of Chiba,
and (2) Hiroaki Katahira County of Santa Clara	of San Jose, and State of California,
and (3) Fumitoyo Kawano Country of Japan,	of Tokyo,
and (4) Francis Joseph Ricchio County of Santa Clara	of San Jose, and State of California,
and (5) Shinji S. Satoh Country of Japan,	of Chiba,
and (6) Takashi Ueyama Country of Japan,	of Kanagawa,

have invented certain improvements in

TITLE

RESOLVING LONG-BUSY CONDITIONS FOR SYNCHRONIZED DATA SETS

DATES THAT
INVENTORS
SIGNED THE
DECLARATION

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

(1) _____, 1999,	(2) <u>6-28-</u> , 1999,	(3) _____, 1999,
(4) <u>7/2/</u> , 1999,	(5) _____, 1999,	(6) _____, 1999.

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 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.

Signed

CITY DATE	(1) at _____ on _____, 1999,	<u>Takeshi Hoshino</u>	SIGNATURE INVENTOR
CITY DATE	and (2) at <u>SAN JOSE</u> on <u>6-28-</u> , 1999,	<u>Hiroaki Katahira</u>	SIGNATURE INVENTOR
CITY DATE	and (3) at _____ on _____, 1999,	<u>Fumitoyo Kawano</u>	SIGNATURE INVENTOR
CITY DATE	and (4) at <u>San Jose</u> on <u>7-2-</u> , 1999,	<u>Francis Joseph Ricchio</u>	SIGNATURE INVENTOR

CITY	and (5) at _____	_____	SIGNATURE
DATE	on _____, 1999,	Shinji S. Satoh	INVENTOR
CITY	and (6) at _____	_____	SIGNATURE
DATE	on _____, 1999,	Takashi Ueyama	INVENTOR