

10-26-1998



To the Honorable Commissioner of Patent

100859105

original documents or copy thereof.

1. Name of conveying party(ies):

Te-Kai Liu
Michael C. Greenwood
Kiyoshi Maruyama

Additional names of conveying party(ies) attached?

☒ yes ☐ no

3. Nature of Conveyance

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: October 6, 1998, October 9, 1998 and October 6, 1998 respectively

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

Name: International Business Machines Corporation

Internal Address:

Street Address: New Orchard Road

City Armonk

State New York

Zip 10504

Additional name(s) & address(es) attached? ☒ yes ☐ no

3c540 U.S. PTO
09/17/2611
10/15/98

4. Application number(s) or patent number(s):

Title: DUAL MAP SYSTEM FOR NAVIGATION AND WIRELESS COMMUNICATION

If this document is being filed together with a new application, the execution date of the application is 09/18/98 - 10/09/98

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

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

C. Lamont Whitham
Whitham, Curtis, Whitham & McGinn
Reston International Center
11800 Sunrise Valley Drive, Suite 900
Reston, Virginia 20191

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):

\$ 40.00

☐ Enclosed☒ Authorized to be charged to deposit account☒ Total fee due☒ Any deficiencies in the enclosed fees

8. Deposit account number:

50-0510/IBM(Yorktown Heights)

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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.

C. Lamont Whitham
Registration 22,424
Tel.: (703) 391-2510

Signature

Date

Total number of pages including cover sheet, attachments, and document: 8

PATENT

REEL: 9563 FRAME: 0565

10/23/1998 JWHITKINS 0-000000 50010 09/17/2611

01 FC:581

40.00

ASSIGNMENT

Whereas, we

Inventor and city	(1) Te-Kai Liu County of <i>Westchester</i>	City of Elmsford and State of New York
Inventor and city	(2) Michael C. Greenwood County of Dutchess	City of Holmes and State of New York
Inventor and city	(3) Lawrence I. Lieberman County of Westchester	City of Scarsdale and State of New York
Inventor and city	(4) Kiyoshi Maruyama County of Westchester	City of Chappaqua and State of New York
Inventor and city	(5) Paul A. Moskowitz County of Westchester	City of Yorktown Heights and State of New York

have invented certain improvements in

TITLE DUAL MAP SYSTEM FOR NAVIGATION AND WIRELESS COMMUNICATION

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

DATES THAT (1) October 6, 1998, and (2) October 9, 1998, and
(3) 199 , and (4) October 6, 199 8, and
(5) 199 .

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 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 and sealed

CITY at *Hawthorne*

DATE *Sept 29* 1998 . *Oct 6*

Te-Kai
FIRST NAME

MIDDLE INITIAL

Liu INVENTOR
LAST NAME

SIGNATURE

INVENTOR
(1)

On this *6th* day of *October* 1998 before me personally came *Te-kai Liu* to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.

State of *New York*
County of *Westchester*

Notary

Barbara Raza
BARBARA RASA
Notary Public, State of New York
No 4973785
in Westchester & Dutchess Counties
Commission Expires October 29, 1998

(2) Signed and sealed at Yorktown Hgts, NY on October 9 1998.
 CITY DATE
 Michael C. Greenwood
 FIRST NAME MIDDLE INITIAL LAST NAME
 SIGNATURE INVENTOR

On this 9th day of October 1998 before me personally came Michael C. Greenwood to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.
 INVENTOR (2)
 State of New York
 County of Westchester

Barbara Raza
 Notary Public, State of New York
 No. 4973785
 In Westchester & Dutchess Counties
 Commission Expires October 29, 1999
 SIGNATURE INVENTOR

(3) Signed and sealed at _____ on _____ 1998.
 CITY DATE
 Lawrence L. Lieberman
 FIRST NAME MIDDLE INITIAL LAST NAME

On this _____ day of _____ 1998, before me personally came _____ to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.
 INVENTOR (3)
 State of _____
 County of _____

Notary

(4) Signed and sealed at Yorktown Hgts, NY on October 6, 1998.
 CITY DATE
 Kiyoshi Maruyama
 FIRST NAME MIDDLE INITIAL LAST NAME
 SIGNATURE INVENTOR

On this 6th day of October 1998 before me personally came Kiyoshi Maruyama to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.
 INVENTOR (4)

State of _____
 County of _____

Lucille Fourgeot
 Notary Public, State of New York
 No. 4502670
 Qualified in Westchester County
 Commission Expires 06/30/99

(5) Signed and sealed at _____ on _____ 1998.
 CITY DATE
 Paul A. Moskowitz
 FIRST NAME MIDDLE INITIAL LAST NAME
 SIGNATURE INVENTOR

On this _____ day of _____ 1998, before me personally came _____ to me personally known, and known to me to be the person described in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed.
 INVENTOR (5)

State of _____
 County of _____

Notary