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U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office

Atty Docket No.: FUJI 19.494

PTO

10/090946

03/05/02

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

1. Name of conveying party(ies):

Hideyuki MOTOYAMA
Naoki FURUDATE
Shinichi SAKAMOTO

03/05/02

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

2. Name and address of receiving party(ies)

Name: FUJITSU LIMITED

Internal Address: _____

1-1, Kamikodanaka 4-chome

Street Address: _____

Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588, Japan

City: _____ State: _____ Zip: _____

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

3. Nature of conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other _____

February 20, 2002

Execution Date: _____

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: _____

February 20,
2002

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:

Rosenman & Colin LLP

Name: _____

IP Department 15th Fl.

Internal Address: _____

575 Madison Avenue

Street Address: _____

New York

New York

10022-2585

City: _____ State: _____ Zip: _____

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

8. Deposit account number:

50-1290

(Attach duplicate copy of this page if paying by deposit account)

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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.

Shahan Islam

March 5, 2002

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and documents: ☒ 3

Mail documents to be recorded with required cover sheet information to:

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Washington, D.C. 20231

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40.00 CH

PATENT
REEL: 012678 FRAME: 0603

ASSIGNMENT

Docket No. **FUJI 19-494**

WHEREAS, the below named inventor, ASSIGNOR, has made a certain new and useful invention in:
DSL COMMUNICATION METHOD OF PERFORMING AN INTERRUPTION AND A RECONNECTION WHEN AN
S/N RATIO IS OUTSIDE OF A PREDETERMINED RANGE FOR A DURATION LONGER THAN A REFERENCE TIME

for which

(check one) ☒ an application is being filed concurrently herewith,

☐ an application for a Patent of the United States was filed on _____
 and given Application Serial No. _____

and WHEREAS, FUJITSU LIMITED

having a place of business at 1-1, Kamikodanaka 4-chome, Nakahara-ku,
Kawasaki-shi, Kanagawa 211-8588 Japan

ASSIGNEE

is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument; and

ASSIGNOR covenants and agrees that he has full right to convey the entire interest herein assigned, and has not executed, and will not execute, any agreement in conflict herewith; and

ASSIGNOR further covenants and agrees that he will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

Full name of sole or first inventor Hideyuki Motoyama
 Inventor's Signature 小山 英幸 Date February 20, 2002
 Residence Kawasaki, Japan Citizenship Japan
 Post Office Address c/o FUJITSU LIMITED, 1-1, Kamikodanaka 4-chome, Nakahara-ku,
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Full name of second joint inventor, if any Naoki Furudate
 Second Inventor's Signature Naoki Furudate Date February 20, 2002
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Full name of third joint inventor, if any Shinichi Sakamoto
 Third Inventor's Signature 坂本 善一 Date February 20, 2002
 Residence Kawasaki, Japan Citizenship Japan
 Post Office Address c/o FUJITSU LIMITED, 1-1, Kamikodanaka 4-chome, Nakahara-ku,
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Full name of fourth joint inventor, if any _____
 Fourth Inventor's Signature _____ Date _____
 Residence _____ Citizenship _____
 Post Office Address _____

RECORDED: 03/05/2002

PATENT
REEL: 012678 FRAME: 0604