

09-25-1998

Docket No.: TER-005

FORM PTO-1595 (Modified)
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)
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U.S. DEPARTMENT OF COMMERCE

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100837973

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

1. Name of conveying party(ies):

**Michael Grimwood, Jim Knittel, Paul Richardson,
Selim Shlomo Rakib, Paul Alan Lind, and Doug Artman**

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date: **May 12, 1998**

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

Name: **Terayon Communication Systems**Address: **2952 Bunker Hill Lane**City: **Santa Clara**State/Prov.: **CA**Country: **USA**ZIP: **95054**

Additional name(s) & address(es)

☐ Yes ☒ No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

Patent Application No.

Filing date

B. Patent No.(s)

09/074,036**05/06/98**Additional numbers attached? ☐ Yes ☒ No

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

Name: **Ronald Craig Fish**Registration No. **28,843**Address: **Falk & Fish, llp****P.O. Box 2258**City: **Morgan Hill**State/Prov.: **CA**Country: **USA**ZIP: **95038**

6. Total number of applications and patents involved:

17. Total fee (37 CFR 3.41):.....\$ **40.00**☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☐ Authorized to be charged to deposit account

8. Deposit account number:

06-0932

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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.

Ilene L. Fish

Name of Person Signing

Signature

09/18/98

Date

PATENT

REEL: 9467 FRAME: 0298

09/23/1998 TRM11
 0000003 09074036
 40.00 BP

ASSIGNMENT

WHEREAS, I (We), MICHAEL GRIMWOOD, a citizen of the UNITED STATES, residing at 839 E. MEADOW DRIVE, PALO ALTO, CALIFORNIA 94303, JIM KNITTEL, a citizen of the UNITED STATES, residing at 585 WENDELL DRIVE, CAMPBELL, CALIFORNIA 95008, PAUL RICHARDSON, a citizen of the UNITED STATES, residing at 3432 CADILLAC DRIVE, SAN JOSE, CALIFORNIA 95117, SELIM SHLOMO RAKIB, a citizen of the ISRAEL, residing at 23057 CRICKET HILL ROAD, CUPERTINO, CALIFORNIA 95014, PAUL ALAN LIND, a citizen of the UNITED STATES, residing at 258 WAUGH AVENUE, SANTA CRUZ, CALIFORNIA 95065, and DOUG ARTMAN, a citizen of the UNITED STATES residing at 1434 IRIS COURT, SAN JOSE, CALIFORNIA 95125 have invented a(n) APPARATUS AND METHOD FOR SYNCHRONIZING AN SCDMA UPSTREAM TO AN MCNS DOWNSTREAM for which I (We) have executed application papers for a U.S. patent application thereon on _____; I (We) hereby authorize and request our attorney, Ronald Craig Fish of Falk, Vestal and Fish, 16590 Oak View Circle, Morgan Hill, California 95037 to insert here in parentheses (Application Number: 09/074,036, Filed 05/06/98) the filing date and application number of said application when known; and

WHEREAS, TERAYON COMMUNICATION SYSTEMS, a CALIFORNIA CORPORATION, having a place of business at 2952 Bunker Hill Lane, Santa Clara, California 95054, is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, I (We), MICHAEL GRIMWOOD, JIM KNITTEL, PAUL RICHARDSON, SELIM SHLOMO RAKIB, PAUL ALAN LIND, and DOUG ARTMAN, do hereby sell, assign, transfer and set over unto the said TERAYON COMMUNICATION SYSTEMS, its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all Letters Patent to be granted and issued therefor and any and all divisions, reissues, and continuation applications thereof, not only for the United States of America, its territories and possessions, but also for all other countries including all priority rights under the International Convention; I authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from me; I (We) agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, its successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said TERAYON COMMUNICATION SYSTEMS, its successors and assigns, in accordance with this Assignment. I (We) declare that we understand the content of the patent application which is the subject of this assignment. I (We) declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

WITNESS MY HAND AT _____, this _____ day of _____, 199____.

Michael Grimwood 05/12/98
Signature of Inventor 1

Paul Richard 05/12/98
Signature of Inventor 3

Paul Alan Lind 5/12/98
Signature of Inventor 5

J. Kittel 5/12/98
Signature of Inventor 2

Paul Artman 5/12/98
Signature of Inventor 4

Doug Artman 5/12/98
Signature of Inventor 6

State of California
Santa Clara County) ss.

On this, 12 day of May, 1998, before me, a Notary Public,
Marianna Rivera, duly commissioned and sworn, personally appeared
Michael Grimwood, Jim Knittel, Paul Richardson, Selim Shlomo Rakib, Paul Alan Lind, and
Doug Artman, who is known to me to be the person whose name is subscribed to in the within
instrument and acknowledged to me that he executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal
in Santa Clara, CA the day and year first above written.



Marianna Rivera
NOTARY PUBLIC