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Docket No.:

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(Rev. 03-01)
OMB No. 0651-0027 (exp 5/31/2002)
P08A/REV03



SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

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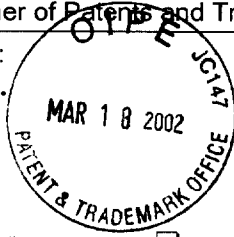
102027477

Tab settings

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

1. Name of conveying party(ies):
Nera Telecommunications, Inc.

3-18-02



Additional names(s) of conveying party(ies) Yes No

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

Name: **Nera Wireless Broadband Access AS**

Address: **Bergerveien 12 N-1396**

City: **Billingsstad** State/Prov.: _____

Country: **Norway** ZIP: _____

Additional name(s) & address(es) Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: **14 March 2002**

4. Application number(s) or patent 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)

09,451,935 12/01/99

09/415,047 10/07/99

09/520,156 03/07/00

09/451,936 12/01/99

6,144,645 6,115,370

6,351,456

6,188,912

6,131,012

Additional numbers Yes No

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

Name: **Kenneth D. Springer**

Registration No. **39,843**

Address: **VOLENTINE FRANCOS, P.L.L.C.**

12200 Sunrise Valley Drive, Suite 150

03/21/2002 6TOW11 00000252 09451935

01 FC:581 360.00 OP

City: **Reston** State/Prov.: **VA**

Country: **U.S.A.** ZIP: **20191**

6. Total number of applications and patents involved: **9**

7. Total fee (37 CFR 3.41):.....\$ **360.00**

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8. Deposit account number:

50-0238

(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.

KENNETH D. SPRINGER

Name of Person Signing

Signature

18 MARCH 2002

Date

8

Total number of pages including cover sheet, attachments, and

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT
REEL: 012691 FRAME: 0419

ASSIGNMENT

WHEREAS, **Nera Telecommunications, Inc.**, having a place of business at 1300 Central Expressway North, Suite 100, Allen, Texas 75013 (hereinafter referred as "ASSIGNOR"), is the assignee of the patents, patent applications and draft patents listed on Exhibit A, which is attached hereto and incorporated herein by reference (collectively referred to in this Assignment as the "Patents").

WHEREAS, **Nera Wireless Broadband Access AS**, having a place of business at Bergerveien 12 N-1396 Billingstad, Norway (hereinafter referred to as "ASSIGNEE"), and Assignor have entered into certain agreements providing for the transfer of the Patents to Assignee as of April 5, 2000 and are desirous of confirming the transfer of the entire right, title of interest in and to said Patents.

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (US\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR, by these presents does sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to the Patents in the United States of America and its territorial possessions and in all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States of America and its territorial possessions and in any and all foreign countries, and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

ASSIGNOR hereby authorizes and requests the officials of the Patent and Trademark Office of the United States of America and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when and if granted, to said ASSIGNEE as the assignee of its entire right, title and interest in and to the same, for the sole use and benefit of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this Assignment and sale not been made.

ASSIGNOR: **NERA TELECOMMUNICATIONS, INC.**

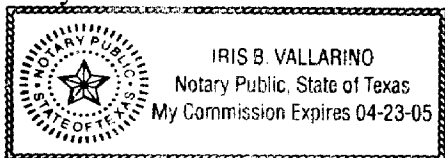
Date: March 14, 2002

By: *Truls Mortensen*
Truls Mortensen
Vice President – Finance

State of Texas)
) s.s.
County of Dallas)

Before me, Iris B. Vallarino, on this day appeared Truls Mortensen, Vice President – Finance of Nera Telecommunications, Inc., known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same.

Given under my hand and seal of office this 14th day of March, 2002.



Iris B. Vallarino
Iris B. Vallarino

Exhibit A

	<u>Patents and Patent Applications</u>	<u>Serial No.</u>	<u>Filing Date</u>
1.	Method and System for an Air Interface for Providing Voice, Data and Multimedia in a Wireless Local Loop System (Issued as Patent No. 6,144,645 on 11/07/2000)	09/085,263	05/26/1998
2.	Method and System for an Air Interface for Providing Voice, Data and Multimedia in a Wireless Local Loop System	09/451,935	12/01/1999
3.	Method and System for an Air Interface for Providing Voice, Data and Multimedia in a Wireless Local Loop System (Issued as Patent No. 6,351,456 on 02/26/2002)	09/479,663	01/10/2000
4.	Method and System for a Virtual Local Area Network Implemented on a Wireless Local Loop for Providing Data and Multimedia Services	09/415,047	10/07/1999
5.	System for a Base Station for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System (Issued as Patent No. 6,188,912 on 02/13/2001)	09/092,349	06/05/1998
6.	Method and System for a Micro Channel Bank for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System (Issued as Patent No. 6,131,012 on 10/10/2000)	09/085,262	05/26/1998
7.	Method and System for a Micro Channel Bank for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System	09/520,156	03/07/2000
8.	Method and System for Protocols for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System (Issued as Patent No. 6,115,370 on 02/11/2000)	09/085,264	5/26/1998
9.	Method and System for Protocols for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System	09/451,936	12/01/1999

	<u>PCT Applications</u>	<u>Serial No.</u>	<u>Filing Date</u>
10.	Method and System for an Air Interface for Providing Voice, Data and Multimedia in a Wireless Local Loop System	PCT/US99/11611	05/26/99
11.	System for a Base Station for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System	PCT/US99/12191	06/01/99
12.	Method and System of a Micro Channel Bank for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System	PCT/US99/11612	05/26/99
13.	Method and System for Protocols for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System	PCT/US99/11613	05/26/99

	<u>Foreign Patent Applications</u>	<u>Country</u>	<u>Serial No.</u>	<u>Filing Date</u>	<u>Priority Serial No.</u>
14.	System for a Base Station for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System	Argentina	P 99 01 06232	12/07/99	09/092,349
15.	System for a Base Station for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System	Bolivia	SP-163-99	12/07/99	09/092,349
16.	System for a Base Station for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System	Chile	1999-2877	12/07/99	09/092,349
17.	System for a Base Station for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System	Colombia	99076737	12/07/99	09/092,349
18.	System for a Base Station for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System	Ecuador	SP-99-3254		09/092,349
19.	System for a Base Station for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System	Guatemala	5556-99		09/092,349
20.	System for a Base Station for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System	Honduras	1010-99		09/092,349
21.	System for a Base Station for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System	Malaysia	PI 9905303	07/12/99	09/092,349

22.	System for a Base Station for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System	Nicaragua	99-0142	12/06/99	09/092,349
23.	System for a Base Station for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System	Panama	02875		09/092,349
24.	System for a Base Station for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System	Paraguay			09/092,349
25.	System for a Base Station for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System	Peru			09/092,349
26.	System for a Base Station for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System	Philippines	1-1999-03058	12/06/99	09/092,349
27.	System for a Base Station for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System	El Salvador			09/092,349
28.	System for a Base Station for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System	Taiwan	88121360	03/02/00	09/092,349
29.	System for a Base Station for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System	Thailand	054382	12/07/99	09/092,349
30.	System for a Base Station for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System	Uruguay	25.838	12/07/99	09/092,349
31.	System for a Base Station for Providing Voice, Data, and Multimedia Services in a Wireless Local Loop System	Venezuela			09/092,349

<u>Draft Patent Applications</u>	<u>Filing Date</u>
32. Method and System for a Virtual Local Area Network in a Wireless Local Loop System, to be filed as a C-I-P of U.S. Patent Application Serial No. 09/415,047	Not filed
33. Method and System for Enhanced Air Interface for Providing Voice, Data and Multimedia in a Wireless Local Loop System	Not filed
34. Architecture for Modem Application Specific Integrated Circuit for Providing Voice, Data and Multimedia in a Wireless Local Loop System	Not filed
35. Method and System for Enhanced Virtual Local Area Network Implemented on a Wireless Local Loop for Providing Data and Multimedia Services	Not filed