



TO THE ASSISTANT COMMISSIONER FOR PATENTS 101925080

documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

1. Brian Spinar
2. Kenneth L. Stanwood

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

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

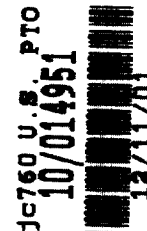
Name: Ensemble Communication

Internal Address:

Street Address: 9890 Towne Centre Drive

City: San Diego State: California ZIP: 92121

Additional name(s) of receiving party(ies) attached?

☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment
☐ Merger
☐ Security Agreement
☐ Change of Name
☐ Other:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) December 3, 2001 (2) December 4, 2001 (1)

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

☒ Application(s) filed herewith
Execution Date(s): November 30, 2001 and
December 3, 2001

☐ Patent Application No.: 10014951
Filing Date:

☐ Patent No.:
Issue Date:

Additional numbers attached? ☐ Yes ☒ No

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

Name: William C. Boling
KNOBBE, MARTENS, OLSON & BEAR, LLP
Customer No. 20,995

Internal Address: Sixteenth Floor

Street Address: 620 Newport Center Drive

City: Newport Beach State: CA ZIP: 92660

Attorney's Docket No.: ENSEMB.026A

7. Total fee (37 CFR 1.21(h)): \$40

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

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.

William C. Boling

Name of Person Signing

William C. Boling
Signature12/11/2001
Date41,625

Registration No.

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

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

12/21/2001 DBYRNE 00000132 10014951

01 FC:581

40.00 DP

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U.S. Patent and Trademark Office
Attn: Assignment Division
Crystal Gateway-4
1213 Jefferson Davis Highway, Suite 320
Arlington, VA 22202

ASSIGNMENT

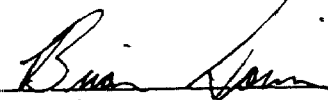
WHEREAS, We, Brian Spinar, a United States citizen, residing at 10685 Wexford Street, #7, San Diego, CA 92131, and Kenneth L. Stanwood, a United States citizen, residing at 2403 Montgomery Ave., Cardiff by the Sea, CA 92007, have invented certain new and useful improvements in a METHOD AND SYSTEM FOR ADAPTIVELY OBTAINING BANDWIDTH ALLOCATION REQUESTS for which we have executed an application for Letters Patent in the United States, on even date herewith;

AND WHEREAS, Ensemble Communications (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 9890 Towne Centre Drive, San Diego, CA 92121, desires to acquire the entire right, title, and interest in and to the said improvements 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, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue 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 patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 4 day of December, 2001.


Brian Spinar

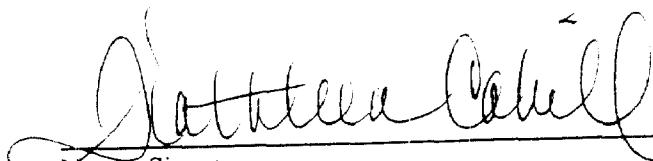
STATE OF CALIFORNIA }
COUNTY OF SAN DIEGO } ss.

On Dec. 4, 2001, before me, KATHLEEN CAHILL, personally appeared Brian Spinar personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

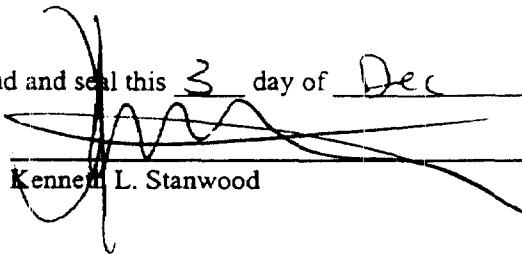
WITNESS my hand and official seal.

[SEAL]




Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 3 day of Dec, 2001


Kenneth L. Stanwood

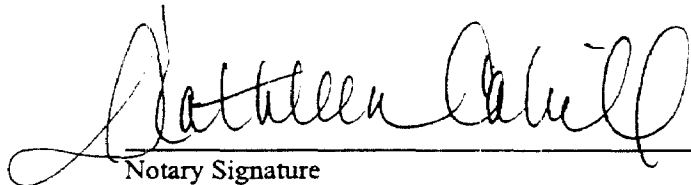
STATE OF CALIFORNIA }
COUNTY OF SAN DIEGO } ss.

On Dec 4, 2001, before me, KATHLEEN CAHILL, personally appeared Kenneth L. Stanwood personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]




Notary Signature

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