

Form PTO-1595 (Rev. 12-08)
OMB No. 0651-0027 (exp. 01/31/2009)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Gil C. Cruz
Ralph D. Hill
Thomas H. Judd
Darren H. New
Jonathan Rosenberg

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 2-11-09 2-13-09 1-28-09 3-21-09 5-14-09

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Bell Communications Research, Inc.

Internal Address: _____

Street Address: 290 West Mount Pleasant Avenue

City: Livingston

State: New Jersey

Country: United States Zip: 07039

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

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

5,706,486

Additional numbers attached? ☐ Yes ☒ No

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

Name: Joseph D'Avanzo

Internal Address: Telcordia Technologies, Inc.

Street Address: One Telcordia Drive 5G107

City: Piscataway

State: New Jersey Zip: 08854-4157

Phone Number: (732) 699-3673

Fax Number: (732) 336-3004

Email Address: jdavanzo@telcordia.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 021822

Authorized User Name Philip Feig

9. Signature:

Philip Feig
Signature

May 20, 2009

Date

Philip Feig
Name of Person Signing

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

9

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

CH \$40.00 021822 5706486

CONFIRMATORY ASSIGNMENT OF PATENT RIGHTS

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged, on this 14 day of MAY, 2009, Gil C. Cruz, residing at Hampton, NJ; Ralph D. Hill, residing in Los Gatos, CA; Thomas H. Judd, residing at Madison, NJ; Darren H. New, residing at Highland Park, NJ; and Jonathan Rosenberg, residing at Milford, NJ (together, the "Assignors"), to ensure that the assignment made effective August 25, 1994 and September 6, 1994 and filed with the United States Patent and Trademark Office on September 12, 1994 at Reel/Frame 007158/0316, is completed, hereby sell, assign, and transfer to Bell Communications Research, Inc., a Delaware corporation ("Assignee"), the full extent of all right, title, and interest in and to any and all of the following (collectively, the "Rights"):

1. The provisional patent applications, patent applications and/or patents listed in the table below (the "Patents");
2. All inventions claimed or described in any or all of the Patents (collectively, the "Inventions");
3. All rights with respect to the Inventions, including all U.S. patents or other governmental grants or issuances that may be granted with respect to the Inventions or from any direct or indirect divisionals, continuations, or other patent applications claiming priority rights from the Patents ("Potential Patents");
4. All reissues, reexaminations, extensions, or registrations of the Patents or Potential Patents;
5. All non-United States patents, patent applications, and counterparts relating to any or all of the Inventions, the Patents, or Potential Patents, including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances ("Foreign Rights"), and including the right to file foreign applications directly in the name of Assignee, its successors and assigns;
6. The right to claim priority rights deriving from the Patents;
7. All causes of action and remedies related to any or all of the Patents, the Inventions, Potential Patents, or Foreign Rights (including, without limitation, the right to sue for past, present, or future infringement, misappropriation or violation of rights related to any of the foregoing and the right to collect royalties and other payments under or on account of any of the foregoing); and
8. Any and all other rights and interests arising out of, in connection with, or in relation to the Patents, the Inventions, Potential Patents, or Foreign Rights.

<u>Patent or Application No.</u>	<u>Country</u>	<u>Filing Date</u>	<u>Title of Patent and First Named Inventor</u>
5,577,258 08/274503	US	11/19/1996	Apparatus and method for preprocessing multimedia presentations to generate a delivery schedule Gil C. Cruz

5,706,486 08/673536	US	1/6/1998	Method for preprocessing multimedia presentations to generate a delivery schedule Gil C. Cruz
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Assignors will not sign any writing or do any act conflicting with this Assignment, and, without further compensation, will sign all documents and do such additional acts as Assignee, its successors, legal representatives, and assigns deem necessary or desirable to perfect enjoyment of the Rights or perfect or defend title to the Rights. Assignors request the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models, or other governmental grants or issuances that may be granted upon any of the Rights in the name of the Assignee, as the assignee to the entire interest therein.

The terms and conditions of this Assignment will inure to the benefit of Assignee, its successors, legal representatives, and assigns and will be binding upon Assignor, its successors, legal representatives and assigns.

ASSIGNORS:

By:


Gil C. Cruz (Signature *MUST* be attested)

ATTESTATION

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. 1746

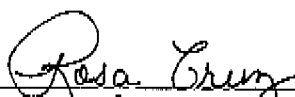
The undersigned witnessed the signature of Gil C. Cruz to the above Assignment of Patent Rights and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Gil C. Cruz is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on February 11, 2009 to execute the above Assignment of Patent Rights.
3. Gil C. Cruz I subscribed to the above Assignment of Patent Rights.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true

and correct.

EXECUTED on February 11, 2009 (date)


Print Name: ROSA CRUZ

By:

Ralph D. Hill (Signature *MUST* be attested)

ATTESTATION

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. 1746

The undersigned witnessed the signature of Ralph D. Hill 1 to the above Assignment of Patent Rights and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Ralph D. Hill is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on _____, 20__ to execute the above Assignment of Patent Rights.
3. Ralph D. Hill subscribed to the above Assignment of Patent Rights.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on _____ (date)

Print Name: _____

and correct.

EXECUTED on _____ (date)

Print Name: _____

By:


Ralph D. Hill (Signature MUST be attested)

Sign
Here

ATTESTATION

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. 1746

The undersigned witnessed the signature of Ralph D. Hill to the above Assignment of Patent Rights and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Ralph D. Hill is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on February 13, 2009 to execute the above Assignment of Patent Rights.
3. Ralph D. Hill subscribed to the above Assignment of Patent Rights.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on Feb. 13, 2009 (date)


Print Name: BRENDAN DONOHOE

By: Thomas H. Judd
Thomas H. Judd (Signature *MUST* be attested)

ATTESTATION

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. 1746

The undersigned witnessed the signature of Thomas H. Judd to the above Assignment of Patent Rights and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Thomas H. Judd is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on Jan 28, 2009 to execute the above Assignment of Patent Rights.
3. Thomas H. Judd subscribed to the above Assignment of Patent Rights.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on 1/28/09 (date)

Ellen B. Judd
Print Name: Ellen B. Judd

By: _____
Darren H. New (Signature *MUST* be attested)

ATTESTATION

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. 1746

The undersigned witnessed the signature of Darren H. New to the above Assignment of Patent Rights and makes the following statements:

By:

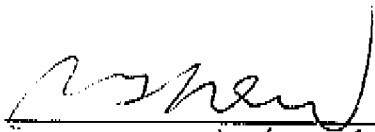

Darren H. New (*Signature MUST be attested*)**ATTESTATION****ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. 1746**

The undersigned witnessed the signature of Darren H. New to the above Assignment of Patent Rights and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Darren H. New is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on Mar 21, 2009 to execute the above Assignment of Patent Rights.
3. Darren H. New subscribed to the above Assignment of Patent Rights.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on Mar 21, 2009 (date)


Print Name: Wen New

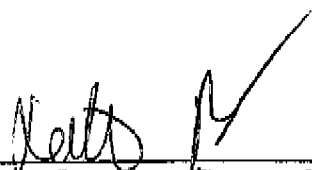
3. Darren H. New subscribed to the above Assignment of Patent Rights.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on _____ (date)

Print Name: _____

By:


Jonathan Rosenberg (Signature MUST be attested)

ATTESTATION


ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. 1746

The undersigned witnessed the signature of Jonathan Rosenberg to the above Assignment of Patent Rights and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Jonathan Rosenberg is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on MAY 14, 2009 to execute the above Assignment of Patent Rights.
3. Jonathan Rosenberg subscribed to the above Assignment of Patent Rights.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on May 14, 2009 (date)


Print Name: Angela E. Townsend

PTO/SB/97 (12-08)

Approved for use through 01/31/2009. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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on May 20, 2009
Date



Signature

Deanna Green

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