LEGA4L

	United States Patent and Trademark Offic
	se record the attached documents or the new address(es) below.
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)
	Name: <u>Bell Communications</u> Research, Inc.
Niranjan B. Sandesara	Internal Address:
Additional name(s) of conveying party(ies) attached? 🗌 Yes 🔀 No	
3. Nature of conveyance/Execution Date(s): Execution Date(s) 1-26-2009	Street Address: 290 West Mount Pleasant Avenue
Assignment Merger	
Security Agreement Change of Name	City: Livingston
Joint Research Agreement	State: New Jersey
Government Interest Assignment Executive Order 9424, Confirmatory License	Country: United States Zipp7039
Other	Additional name(s) & address(es) attached? 🛄 Yes 🔀 No
4. Application or patent number(s):	document is being filed together with a new application
A. Patent Application No.(s)	B. Patent No.(s)
	5,327,427
Additional numbers at	
5. Name and address to whom correspondence	teched? Yes No
concerning document should be mailed:	involved: 1
• •	
Name: Joseph D'Avanzo	7. Total fee (37 CFR 1,21(h) & 3,41) \$ 40.00
Name: Joseph D'Avanzo	7. Total fee (37 CFR 1.21(h) & 3.41) \$_40.00
	7. Total fee (37 CFR 1.21(h) & 3.41) \$_40,00
Internal Address: <u>Telcordia Technologies, Inc.</u>	
Internal Address: <u>Telcordia Technologies, Inc.</u>	X Authorized to be charged to deposit account
Internal Address: <u>Telcordia Technologies, Inc.</u> Street Address: <u>One Telcordia Drive 5</u> G107	X Authorized to be charged to deposit account
Internal Address: <u>Telcordia Technologies, Inc.</u> Street Address: <u>One Telcordia Drive 5G107</u> City: <u>Piscataway</u>	Authorized to be charged to deposit account Enclosed None required (government interest not affecting title
Internal Address: <u>Telcordia Technologies, Inc.</u> Street Address: <u>One Telcordia Drive 5G107</u> City: <u>Piscataway</u> State: <u>New Jersey</u>	 Authorized to be charged to deposit account Enclosed None required (government interest not affecting title 8. Payment Information
Internal Address: <u>Telcordia Technologies, Inc.</u> Street Address: <u>One Telcordia Drive 5G107</u> City: <u>Piscataway</u> State: <u>New Jersey</u> Zip: <u>08854-4157</u> Phone Number: <u>(732) 699-3673</u>	 Authorized to be charged to deposit account Enclosed None required (government interest not affecting title 8. Payment Information Deposit Account Number <u>021822</u>
Internal Address: <u>Telcordia Technologies, Inc.</u> Street Address: <u>One Telcordia Drive 5G107</u> City: <u>Piscataway</u>	 Authorized to be charged to deposit account Enclosed None required (government interest not affecting title 8. Payment Information
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 9. Signature: Core Core Core Core Core Core Core Core	Authorized to be charged to deposit account Enclosed None required (government interest not affecting title 8. Payment Information Deposit Account Number <u>021822</u> Authorized User Name <u>Joseph D'Avanzo</u> March 13, 2009
Internal Address: <u>Telcordia Technologies, Inc.</u> Street Address: <u>One Telcordia Drive 5G107</u> City: <u>Piscataway</u> State: <u>New Jersey</u> Phone Number: (732), 699-3673 Fax Number: (732), 336-3004 Email Address: <u>idavanzo@telcordia.com</u>	 Authorized to be charged to deposit account Enclosed None required (government interest not affecting title 8. Payment Information Deposit Account Number021822 Authorized User NameJoseph D'Avanzo

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

PATENT REEL: 022390 FRAME: 0901

CONFIRMATORY ASSIGNMENT OF PATENT RIGHTS

For valuable consideration, the receipt and sufficiency which is hereby acknowledged, on this 2° day of January, 2009, Niranjan B. Sandesara, residing in Freehold, NJ, (the "Assignor"), to ensure that the assignment made effective August 31, 1990, and filed with the United States Patent and Trademark Office on August 31, 1990 at Reel/Frame 005444/0466 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. Patent application Serial No. 07/577,219 filed on August 31, 1990, (the "Application");
- 2. All inventions claimed or described in the Application, (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 or the Application ("Potential Patents");
- 4. All reissues, reexaminations, extensions, or registrations of the Patent or Potential Patents;
- 5. All non-United States patents, patent applications, and counterparts relating to any or all of the Inventions, the Application, the Patent, 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 Application;
- 7. All causes of action and remedies related to any or all of the Application, the Patent, 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 Application, the Patent, the Inventions, Potential Patents, or Foreign Rights.

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, his successors, legal representatives and assigns.

PATENT REEL: 022390 FRAME: 0902

By: <u>Niranjan B. Saulestin</u> Niranjan B. Sandestra

ATTESTATION (foreign)

The undersigned witnessed the signature of (*assignor*) to this document and makes the following statements:

1. Niranjan B. Sandesara is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on $\frac{1/29}{29}$, 2009, to execute this document.

2. Niranjan B. Sandesara subscribed to this document.

I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

Bv: FICHTNER ΡΔΟ Print Name:

PTO/SB/97 (12-08) Approved for use through 01/31/2009, OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Peperwork Reduction Act of 1995, no persons are required to respond to a colloction of information unloss it contains a valid OMB control number.
Certificate of Transmission under 37 CFR 1.8
I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office
on <u>March 13, 2009</u> . Date
Dearran Ireen
Deana Green
Typed or printed name of person signing Certificate
(732) 699-5314
Registration Number, if applicable Telephone Number
Note: Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper.
This collection of information is required by 37 CFR 1.8. The information is required to obtain or ratain a benefit by the public which is to file (and by the USPTO to present) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1.8 minutes to complete,

This collection of information is required by 37 OFR 1b: 116 information is required by 10 of the information is estimated to take 1.8 minutes to complete, process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

RECORDED: 03/13/2009

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.