

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

## RECORDATION FORM COVER SHEET PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

### Submission Type

☐ New  
☐ Resubmission (Non-Recordation)  
Document ID#   
☐ Correction of PTO Error  
Reel #  Frame #   
☒ Corrective Document  
Reel #  013354 Frame #  0873

### Conveyance Type

☒ Assignment ☐ Security Agreement  
☐ License ☐ Change of Name  
☐ Merger ☐ Other

U.S. Government

(For Use ONLY by U.S. Government Agencies)

☐ Departmental File ☐ Secret File

### Conveying Party(ies)

☒ Mark if additional names of conveying parties attached

Name (line 1) Hausman, Robert

Execution Date  
Month Day Year  
07/31/2002

Name (line 2)

Second Party

Name (line 1) Galli, Stefano

Execution Date  
Month Day Year  
07/31/2002

Name (line 2)

### Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) Telcordia Technologies, Inc.

Name (line 2) a corporation of the State of Delaware

Address (line 1) 445 South Street

Address (line 2)

Address (line 3) Morristown

New Jersey

07960

City

State/Country

Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

### Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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

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PATENT  
REEL: 013661 FRAME: 0306

FORM PTO-1619B

Expires 08/30/99  
OMB 0651-0027

Page 2

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

## Correspondent Name and Address

Area Code and Telephone Number

973-829-3099

Name William A. Schoneman, Esq.

Address (line 1) Telcordia Technologies, Inc.

Address (line 2) 445 South Street

Address (line 3) Morristown, New Jersey 07960

Address (line 4)

## Pages

Enter the total number of pages of the attached conveyance document  
including any attachments.

# 3

## Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

10209547

If this document is being filed together with a new Patent Application, enter the date the patent application  
was

Month Day Year

## Patent Cooperation Treaty (PCT)

Enter PCT application number  
only if a U.S. Application Number  
has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

## Number of Properties

Enter the total number of properties involved.

# 1

## Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

40.00

Method of Payment:

Enclosed ☐Deposit Account ☒

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the

Deposit Account Number:

#

021822

Authorization to charge additional fees:

Yes



No



## 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. Charges to deposit account are authorized, as  
indicated herein.

William A. Schoneman

Name of Person Signing



Signature

5/16/2003

Date

FORM PTO-1619C  
Expires 06/30/99  
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**RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY**

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

**Conveying Party(ies)**

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Kerpez, Kenneth

Execution Date  
Month Day Year  
07/31/2002

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Execution Date  
Month Day Year

Name (line 2)

**Receiving Party**

☐ Mark if additional names of receiving parties attached

Name (line 1)

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

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Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

**Application Number(s) or Patent Number(s)**

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)


Atty. Docket: APP 1447 US

## ASSIGNMENT OF APPLICATION

WHEREAS, I/we, **Robert Hausman, Stefano Galli and Kenneth Kerpez** have invented certain useful improvements in **"Improved Crosstalk Identification for Spectrum Management in Broadband Telecommunications Systems"** described in an application for Letters Patent; and

WHEREAS, I/we, hereby authorize and request my/our attorney to insert below the filing date and application number when they become known to comply with 37 CFR 3.21 for recordal of this assignment:  
U. S. Application No. 10 / 209,547 filed on July 31, 2002; and

WHEREAS, Telcordia Technologies, Inc., a corporation of the State of Delaware, having a place of business at 445 South Street, Morristown, NJ 07960, United States of America, for the benefit of itself and its successors and assigns, all inclusively hereinafter referred to as "Assignee", is desirous of acquiring all rights, title, and interest in and to said application, all inventions disclosed therein, and any and all Letters Patent of the United States of America, and of all other countries, which may be granted for said inventions, or any of them; and

WHEREAS, I/we hereby represent and warrant to Assignee that I/we have, with respect to third parties, full and unencumbered rights, title, and interest in and to said application, inventions, and Letters Patent, and further that I/we may freely assign the same;

NOW, THEREFORE, for good and valuable consideration, the receipt of which from Assignee is hereby acknowledged, I/we do hereby sell, assign, and transfer to Assignee all my/our rights, title, and interest in and to said application, including all priority rights arising therefrom, all inventions disclosed therein, and all divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and of all other countries, and all reissues thereof, which may be granted for said inventions, or any of them, together with the right to make application for any and all of the same;

TO HAVE, HOLD, AND ENJOY said inventions, said application and rights, and said Letters Patent, or any of them, to its own use and behoof to the full end of the term or terms for which said applications may endure and for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment not been made;

AND I/WE HEREBY authorize and request the Commissioner of Patents and Trademarks to issue or reissue such Letters Patent as may be granted on said application, on any division or continuation thereof, or for said inventions, or any of them, to Assignee in accordance with the terms of this instrument;

AND I/WE HEREBY agree that I/we shall, at the request of Assignee and without demand of further consideration, but at no expense to me/us, do all lawful and just acts, including execution and acknowledgment of instruments, furnishing information, and giving testimony, particularly in the event of interference or litigation, indicated by counsel for Assignee to be necessary for obtaining, maintaining, and perfecting the property rights, or any of them, hereby assigned.

IN WITNESS WHEREOF, I/we hereunto set my/our hand and seal on the day and year indicated.

Robert Hausman  
Robert Hausman

Date: 7/31/02

County of MORRIS)

State of NJ)

SS:

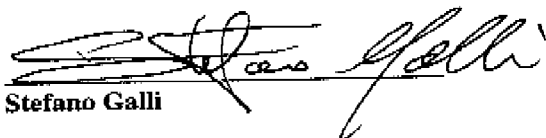
Then personally appeared before me on the indicated date(s) the above-named **Robert Hausman** to me personally known and known by me to be the person(s) described in and who executed the foregoing instrument, and acknowledged the same, before me, to be his/her/their own free act and deed.

7/31/02  
Date

Joseph A. D'Avanzo  
NOTARY PUBLIC  
JOSEPH A. D'AVANZO

A NOTARY PUBLIC OF NEW JERSEY  
MY COMMISSION EXPIRES MARCH 28, 2006

IN WITNESS WHEREOF, I/we hereunto set my/our hand and seal on the day and year indicated.

  
Stefano Galli

Date:

7/31/02

County of MORRIS

SS:

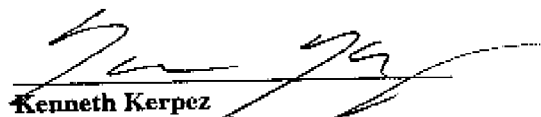
State of NJ )

Then personally appeared before me on the indicated date(s) the above-named **Stefano Galli** to me personally known and known by me to be the person(s) described in and who executed the foregoing instrument, and acknowledged the same, before me, to be his/her/their own free act and deed.

7/31/02

Date

  
NOTARY PUBLIC  
JOSEPH A. D'AVANZO  
A NOTARY PUBLIC OF NEW JERSEY  
MY COMMISSION EXPIRES MARCH 25, 2006

  
Kenneth Kerpez

Date:

7/31/02

County of MORRIS


SS:

State of NJ )

Then personally appeared before me on the indicated date(s) the above-named **Kenneth Kerpez** to me personally known and known by me to be the person(s) described in and who executed the foregoing instrument, and acknowledged the same, before me, to be his/her/their own free act and deed.

07/31/02

Date

  
NOTARY PUBLIC  
JOSEPH A. D'AVANZO  
A NOTARY PUBLIC OF NEW JERSEY  
MY COMMISSION EXPIRES MARCH 25, 2006