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Recordation Form Cover Sheet
PATENTS ONLY



101119018

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

1. Name of conveying party(ies):
Shankar S. Narayan; Vijay K. Gupta

Additional name(s) of conveying party(ies) attached?
 No Yes **8-19-99**

2. Name and address of receiving party(ies):
Name: **Cisco Technology, Inc.**
Internal Address: _____

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: **07/30/99**

Street Address: **170 West Tasman Drive**
City: **San Jose** State: **Cali** ZIP: **95134**
Additional name(s) & address(es) attached? No Yes

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: _____
A. Patent Application No.(s)
09/262,986

B. Patent No.(s) _____
Additional numbers attached? _____

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: **Blakely, Sokoloff, Taylor & Zafman**
Internal Address: _____
Street Address: **12400 Wilshire Boulevard, 7th Floor**
City: **Los Angeles** State: **CA** ZIP: **90025**

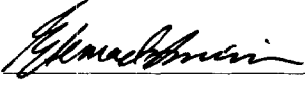
6. Total number of applications and patents involved: **1**

7. Total Fee (37 CFR 3.41).....\$ **40.00**
 Enclosed
 Authorized to be charged to deposit account

8. Deposit Account Number:
02-2666
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9. Statement and signature.
To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

Farzad E. Amini  **8/9/99**
Name of Person Signing Signature Date

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

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

ASSIGNMENT

(For Execution After Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

Shankar S. Narayan; Vijay K. Gupta

hereby sell, assign, and transfer to:

CISCO TECHNOLOGY, INC.

a corporation of California, having a principal place of business at 170 West Tasman Drive, San Jose, California 95134, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that was filed March 5, 1999, and is assigned Application No. 09/262,986 and is entitled:

NON-VOICE SIGNAL REPEATER FOR SPEECH CODERS

and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please sign and have notarized.

Date: July 30 1999

Shankar S Narayan
Name: **Shankar S. Narayan**

State of California } SS

County of Santa Clara } SS

On this 30th day of July 1999, before me, MARY L. STAHLKE, the undersigned Notary Public, personally appeared SHANKAR S. NARAYAN personally known to me **OR**

proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their 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.

Mary L. Stahlke
Notary's Signature



Date: July 30, 1999

Vijay K. Gupta
Name: **Vijay K. Gupta**

State of CALIFORNIA } SS

County of Santa Clara } SS

On this 30th day of July 1999, before me, MARY L. STAHLKE, the undersigned Notary Public, personally appeared VIJAY K. GUPTA 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/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their 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.

Mary L. Stahlke
Notary's Signature

