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

1. Name of conveying party(ies):

Siu H. Lam
Kai X. Miao

2. Name and address of receiving party(ies)

Name: Intel Corporation

Internal Address: _____

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

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other _____

Street Address: 2200 Mission College Blvd.

City: Santa Clara State: CA Zip: 95052

Execution Date: September 10, 2003

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

4. Application number(s) or patent number(s): 10660180

If this document is being filed together with a new application, the execution date of the application is: September 10, 2003

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Nathaniel Levin

Internal Address: Buckley, Maschoff, Talwalkar &

Allison LLC

Street Address: Five Elm Street

City: New Canaan State: CT Zip: 06840

6. Total number of applications and patents involved: 1

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

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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.

Nathaniel Levin

Name of Person Signing

Signature

September 11, 2003

Date

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

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PATENT
REEL: 014496 FRAME: 0694

Attorney Docket No.: P16518
(BMTA Ref. No.: 106.141)

ASSIGNMENT OF RIGHTS, TITLE AND INTEREST IN INVENTION

This is an Assignment of the following rights, title and interest: *(check all that apply)*

☒ United States of America rights, title and interest in the invention

☒ Foreign rights, title and interest in the invention

☒ United States Patent Application Serial No.:

Date of Execution:

Date of Filing: herewith

☐ United States Provisional Patent Application Serial No.:

☐ United States Patent No(s).:

☐ International (PCT) Patent Application Serial No.:

☐ Other *(specify)*::

TITLE OF THE INVENTION:

**METHODS AND APPARATUS FOR SUPPRESSING SIGNALING TONES
IN TELEPHONY SIGNAL**

Inventors *(assignors)*

Name

Address

Siu H. Lam

80 Heather Hill Lane, Woodcliff Lake, NJ US 07677

Kai X. Miao

2 River Road, Boonton Township, NJ US 07005

Assignee

Name

Address

Intel Corporation

2200 Mission College Blvd., Santa Clara, CA USA 95052

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

Attorney Docket No.: P16518
(BMTA Ref. No.: 106.141)

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to **Intel Corporation**, 2200 Mission College Blvd., Santa Clara, CA USA 95052;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said applications(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for our aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures

9/10/2003

Date



Siu H. Lam

9/10/2003

Date



Kai X. Miao