

FORM PTO-1595

02-25-2002

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

1/31/92

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

11017 U.S. PTO
10/075145
02/14/02

1. Name of conveying party(ies):

Bruce E. Dunne
Ravi Chandran
Daniel J. Marchok

2-14-02

2. Name and address of receiving party(ies):

Tellabs Operations, Inc.
4951 Indiana Avenue
Lisle, IL 60532

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other: _____

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

Execution Date: Dunne - 1/8/02; Chandran - 1/9/02;
Marchok - 2/1/02

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

10,075,145

If this document is being filed together with a new application, the execution date of the application is: February 1, 2002

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:

Ronald E. Larson, Esq.
McAndrews, Held & Malloy, Ltd.
500 West Madison Street
34th Floor
Chicago, Illinois 60661

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: 13-0017.

(Attach duplicate copy of this page if paying by deposit account).

DO NOT USE THIS SPACE

9. 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.

Signature and Registration Number:

Ronald E. Larson
Registration No. 24,478

Date: February 14, 2002

Name of Person Signing: Ronald E. Larson

Total number of pages including cover sheet, attachments and document: 4

ASSIGNMENT

Attorney Case No. 12472US01

Serial No.: _____

Inventors: **Bruce E. Dunne**
Ravi Chandran
Daniel J. Marchok

Filing Date: Feb. 14, 2002

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned hereby assigns to **Tellabs Operations, Inc.**, a corporation of Delaware, its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled "**Audio Enhancement Communication Techniques** and identified as U.S.S.N. _____ filed Feb. 14, 2002 in the United States Patent and Trademark Office, and in any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any said Letters Patent to said assignee.

The undersigned warrants himself to be the owner of the entire right, title, and interest in said invention or improvements and to have the right to make this assignment, and further warrants that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations, the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation, continuation in part, and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other document for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorizes said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agrees, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters

Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

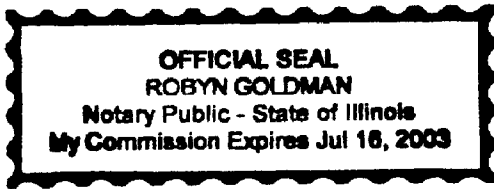
WITNESS my hand and seal this 8th day of January, 200~~1~~².

Bruce E. Dunne
Bruce E. Dunne

State of Illinois

County of Will

The foregoing instrument was acknowledged before me this 8th day of January, ~~2001~~²⁰⁰² by Bruce E. Dunne.



Robyn Goldman
Notary Public

WITNESS my hand and seal this 9th day of January, ~~2001~~²⁰⁰².

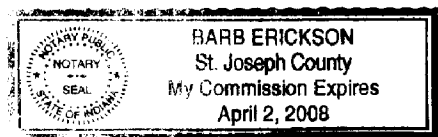
Ravi Chandran
Ravi Chandran

State of IN

County of St. Joseph

The foregoing instrument was acknowledged before me this 9th day of January, ~~2001~~²⁰⁰² by Ravi Chandran.

Barb Erickson
Notary Public Barb Erickson



WITNESS my hand and seal this 1 day of February, 200~~1~~².

Daniel J. Marchok
Daniel J. Marchok

State of Indiana

County of St Joseph

The foregoing instrument was acknowledged before me this 1 day of Feb, ~~2001~~²⁰⁰² by _____.

Rebecca S. Morris
Notary Public

[Faint notary seal text]