

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



04-20-2001



101680998

PATENTS ONLY

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

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 # _____ Frame # _____

MRD 3.1601

Conveyance Type

- Assignment
- License
- Merger
- Security Agreement
- Change of Name
- 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) Daniel J. Marchok
 Execution Date: Month 11, Day 17, Year 2000

Name (line 2) _____

Second Party

Name (line 1) Richard C. Younce
 Execution Date: Month 11, Day 22, Year 2000

Name (line 2) _____

09706120

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1) Tellabs Operations, Inc., a corporation of the State of Delaware

Name (line 2) _____

Address (line 1) 4951 Indiana Avenue

Address (line 2) _____

Address (line 3) Lisle Illinois 60532-1698

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) _____

FOR OFFICE USE ONLY

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

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

(0420200 05164E 0000001 010000 09706120)

PATENT
REEL: 011688 FRAME: 0971

Correspondent Name and Address

Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

Pages

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

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)

<input type="text" value="09/706,120"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Patent Number(s)

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

Patent Cooperation Treaty (PCT)

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

PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>
PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>

Number of Properties

Enter the total number of properties involved. #

Fee Amount

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

Method of Payment: Enclosed Deposit Account

Deposit Account

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

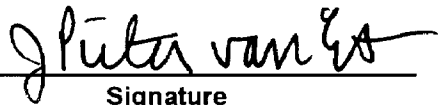
Deposit Account Number: #

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.

J. Pieter van Es



March 16, 2001

Name of Person Signing

Signature

Date

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

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)

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

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)

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Patent Number(s)

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

ASSIGNMENT

Attorney Reference No.: **4910.00013**

Serial No.: **09/706,120**

Inventors: **Daniel J. Marchok; Richard C. Younce; Charles W.K. Gritton; Ravi Chandran**

Date of Execution

of Application: **November 17, 2000; November 22, 2000; November 29, 2000
and November 17, 2000**

Filing Date: **11/03/00**

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign to:

TELLABS OPERATIONS, INC., a corporation of the state 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:

**SYNCHRONIZATION OF VOICE BOUNDARIES AND THEIR USE BY ECHO CANCELLERS IN A
VOICE PROCESSING SYSTEM**

and identified as:

Attorney Reference No. 4910.00013

in the offices of Banner & Witcoff, Ltd. and in said application and 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 authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, and the date of execution of the application.

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

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation 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 documents 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 authorize 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 agree, upon the request of said assignees, 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, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignees, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignees, 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 17 day of Nov., 2000.

Daniel J. Marchok
Daniel J. Marchok

State of Indiana
County of Elkhart

The foregoing instrument was acknowledged before me this 17th day of

November, 2000 by Daniel J. Marchok

NOTARY PUBLIC

Marilyn K. Anson
Marilyn K. Anson
NOTARY PUBLIC STATE OF INDIANA
ELKHART COUNTY
MY COMMISSION EXPIRES NOV. 28, 2007

WITNESS my hand and seal this 22 day of Nov., 2000.

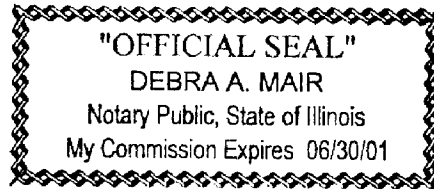
Richard C. Younce
Richard C. Younce

State of Illinois
County of Will

The foregoing instrument was acknowledged before me this 22 day of

November, 2000 by Richard C. Younce

Debra A. Mair
NOTARY PUBLIC



WITNESS my hand and seal this 24 day of Nov, 2000.

R. Davis
Notary Public
Commonwealth of Virginia
My Commission Expires Mar. 24, 2002

Charles W.K. Gritton
Charles W.K. Gritton

State of VA
County of Loudoun

The foregoing instrument was acknowledged before me this 24 day of

Nov, 2000 by Charles Gritton

R. Davis
NOTARY PUBLIC

WITNESS my hand and seal this 17th day of Nov, 2000

Ravi Chandran
Ravi Chandran

State of Indiana
County of Elkhart

The foregoing instrument was acknowledged before me this 17th day of

November, 2000 by Ravi Chandran

Marilyn A. Anson
NOTARY PUBLIC

NOTARY PUBLIC
STATE OF INDIANA
MY COMMISSION EXPIRES 03/20/07