

4/13/01

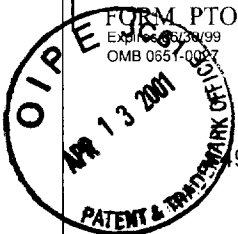
05-02-2001

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



101698625

**RECORDATION FORM COVER SHEET
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FORM PTO-1619A
EXPIRES 03/31/99
OMB 0651-0027

910.00002

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 # _____

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) Execution Date
Month Day Year

Second Party

Name (line 1) Execution Date
Month Day Year

Name (line 2)

Receiving Party

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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.)

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Mail documents to be recorded with required cover sheet(s) information to:
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PATENT
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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)

Patent Number(s)

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 has not been assigned.

PCT

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PCT

PCT

PCT

PCT

Number of Properties

Enter the total number of properties involved. #

Fee Amount

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

Method of Payment:
Deposit Account

Enclosed 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.

Christopher P. Moreno

Christopher P. Moreno

4/13/01

Name of Person Signing

Signature

Date

**RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY**

Conveying Party(ies)

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Enter additional Conveying Parties

Execution Date
Month Day Year

Name (line 1) Changcheng Huang

03-08-01

Name (line 2)

Execution Date
Month Day Year

Name (line 1) Vishal Sharma

01-21-01

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

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)

Patent Number(s)

ASSIGNMENT

WHEREAS, Kenneth R. Owens, residing and having a post office address of 1106 Fourth Street, St. Louis MO 63126, Srinivas V. Makam, residing and having a post office address of 1712 Ada Court, Naperville, IL 60540, Changcheng Huang, residing and having a post office address of 2833 Buckingham Drive, Apt. 303, Lisle, Illinois 60532, and Vishal Sharma, having a post office address of 3061 Zanker Road, Ste. B, San Jose CA 95134, hereinafter called the "Assignors", have made new and useful inventions and improvements in

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for a full description of which reference is hereby made to an application for Letters Patent of the United States filed in the United States Patent Office as Serial No. 09/693,276 on October 20, 2000.

WHEREAS, Tellabs Operations, Inc., a corporation organized and existing under the laws of the State of Delaware, having a place of business at 4951 Indiana Avenue, Lisle, Illinois 60532-1698, is desirous of acquiring the entire right, title and interest in and to said invention, to the application above identified, and in, to and under Letters Patent which may be obtained for said invention, and to other

applications or patents covering said inventions, as hereinafter more fully set forth;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for valuable consideration, the receipt and sufficiency of which is hereby acknowledged by said Assignors, the Assignors have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto the said Assignee, the entire right, title and interest for the United States in and to the invention and application hereinabove identified, and any Letters Patent of the United States that may issue for said invention, together with the entire right, title and interest in and to said invention and applications for Letters Patent and Letters Patent therefor in all countries foreign to the United States, including the right to claim priority under the International Convention for the Protection of Industrial Property and other agreements and treaties of like purpose; to have and to hold for the sole and exclusive use and benefit of the said Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue.

And the Assignors do hereby covenant and agree, for themselves and their legal representatives, that they will assist their said Assignee in the prosecution of any of the applications herein referred to; in the making and prosecution of any other applications for Letters Patent that the said Assignee may elect to make covering the invention herein referred to, including any divisional, continuation, or continuation-in-

part application; or any application to reissue any patent referred to herein; in vesting in the said Assignee exclusive title in and to all applications and Letters Patent referred to herein; and in the prosecution of any interference or infringement action which may arise involving said invention or any claim thereto or thereunder, or any application or Letters Patent herein referred to; and they will execute and deliver to the said Assignee any and all additional papers which may be requested by said Assignee to vest title in said Assignee in the United States and in countries foreign thereto, and will otherwise fully carry out the terms of this agreement.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue Letters Patent to the said Assignee in accordance with the terms of this assignment.

IN TESTIMONY WHEREOF, the said Assignors have hereunto set their hands and affixed their seals.

Date: 3/20/01 Kenneth R. Owens
Kenneth R. Owens

STATE OF MISSOURI)
) SS
COUNTY OF St. Louis)

I, Keenya m williams, a Notary Public in and for the county and state aforesaid, do hereby certify that Kenneth R. Owens, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the

Date: March 5, 2001

Changcheng Huang
Changcheng Huang

~~Province of Ontario~~
~~STATE OF ILLINOIS~~
~~Notary Public~~
~~Office - ()~~)
COUNTY OF _____)

I, R. Lynn Campbell a Notary Public in and for the county and state aforesaid, do hereby certify that Changcheng Huang, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 5th day of March, 2001.

R. Lynn Campbell
Notary Public

My Commission Expires:

11/9
SEAL


Date: 01/21/2001

Vishal Sharma
Vishal Sharma

STATE OF CALIFORNIA)
COUNTY OF SANTA CRUZ) SS

I, BROUET L. WILLY, a Notary Public in and for the county and state aforesaid, do hereby certify that Vishal Sharma, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed, sealed and delivered the said instrument as his free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and
Notarial Seal, this 22 day of FEBRUARY, 2001.



Notary Public

My Commission Expires:

1/30/02

SEAL

