

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Naveen K. Jain</td> <td>01/08/2008</td> </tr> <tr> <td>Venkata Rangavajjhala</td> <td>01/08/2008</td> </tr> </tbody> </table>		Name	Execution Date	Naveen K. Jain	01/08/2008	Venkata Rangavajjhala	01/08/2008
Name	Execution Date						
Naveen K. Jain	01/08/2008						
Venkata Rangavajjhala	01/08/2008						
RECEIVING PARTY DATA							
Name:	Tellabs Operations, Inc.						
Street Address:	1415 West Diehl Road						
City:	Naperville						
State/Country:	ILLINOIS						
Postal Code:	60563						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13531272</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13531272		
Property Type	Number						
Application Number:	13531272						
CORRESPONDENCE DATA							
Fax Number:	(408)280-1806						
Phone:	4082801800						
Email:	jimwu@jwlawgroup.com						
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
Correspondent Name:	James M. Wu						
Address Line 1:	84 W. Santa Clara St., Suite 820						
Address Line 4:	San Jose, CALIFORNIA 95113						
ATTORNEY DOCKET NUMBER:	1057.P0012C! (PB070109C1)						
NAME OF SUBMITTER:	James M. Wu						
Total Attachments: 6 source=1057_P0012US_Assignment_executed#page1.tif source=1057_P0012US_Assignment_executed#page2.tif source=1057_P0012US_Notice of Recordation of Assignments dated 3-2-2012#page1.tif source=1057_P0012US_Notice of Recordation of Assignments dated 3-2-2012#page2.tif source=1057_P0012US_Notice of Recordation of Assignments dated 3-2-2012#page3.tif source=1057_P0012US_Notice of Recordation of Assignments dated 3-2-2012#page4.tif							

OP \$40.00 13531272

ASSIGNMENT

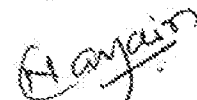
WHEREAS, We, Naveen K. Jain, a citizen of India, residing at 310 Elan Village Lane, San Jose, California 95134, USA, Venkata Rangavajjhala, a citizen of the United States, residing at 146 Celada Court, Fremont, California 95439, have invented a "Method and Apparatus for Measuring System Latency Using Global Time Stamp" for which I have executed application papers for a U.S. patent thereon; and

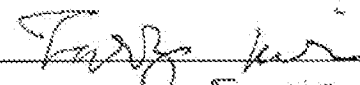
WHEREAS, Tellabs San Jose, Inc., a Delaware Corporation, having a place of business located at 1415 West Diehl Road, Naperville, IL 60563, is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and all countries foreign thereto;


NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, We, Naveen K. Jain, Venkata Rangavajjhala, do sell, assign, transfer and set over unto the said Tellabs San Jose, Inc. its successors and assigns the full and exclusive right, title and interest in and to said invention, and in and to any and all Letters Patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said Tellabs San Jose, Inc., its successors and assigns, in accordance with this Assignment.

Re: U.S. Patent Application entitled: **Method and Apparatus for Measuring System Latency Using Global Time Stamp**

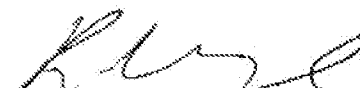
Inventor: **Naveen K. Jain**

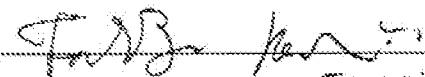
1) Signature:  Date: 01/08/08
Naveen K. Jain

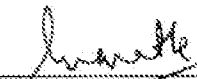
Witness:  Date: 01/08/08
Farzin Karimi

Witness:  Date: 01/08/08
Sanjeev Marathe

Inventor: **Venkata Rangavajjhala**

2) Signature:  Date: 01/08/08
Venkata Rangavajjhala

Witness:  Date: 01/08/08
Farzin Karimi

Witness:  Date: 01/08/08
Sanjeev Marathe



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MARCH 5, 2012

PTAS

JAMES M. WU
84 WEST SANTA CLARA ST., SUITE 820
SAN JOSE, CA 95113

501840441

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 03/02/2012

REEL/FRAME: 027799/0753
NUMBER OF PAGES: 5

BRIEF: MERGER (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

TELLABS SAN JOSE INC.

DOC DATE: 12/30/2011

ASSIGNEE:

TELLABS OPERATIONS INC.
1415 WEST DIEHL ROAD
NAPERVILLE, ILLINOIS 60563

APPLICATION NUMBER: 11874077

FILING DATE: 10/17/2007

PATENT NUMBER: 7796062

ISSUE DATE: 09/14/2010

TITLE: METHOD AND APPARATUS FOR PROVIDING NON-POWER-OF-TWO EVEN COUNT
GRAY CODE

APPLICATION NUMBER: 11954718

FILING DATE: 12/12/2007

PATENT NUMBER: 8074054

ISSUE DATE: 12/06/2011

TITLE: PROCESSING SYSTEM HAVING MULTIPLE ENGINES CONNECTED IN A DAISY
CHAIN CONFIGURATION

APPLICATION NUMBER: 11971427

FILING DATE: 01/09/2008

PATENT NUMBER:

ISSUE DATE:

TITLE: METHOD AND APPARATUS FOR MEASURING SYSTEM LATENCY USING GLOBAL
TIME STAMP

APPLICATION NUMBER: 12024806 FILING DATE: 02/01/2008
PATENT NUMBER: ISSUE DATE:
TITLE: METHOD AND APPARATUS FOR IMPROVING PERFORMANCE OF TDM SEQUENCING
FOR PACKET PROCESSING ENGINES USING A DELAY LINE

APPLICATION NUMBER: 12055645 FILING DATE: 03/26/2008
PATENT NUMBER: 8074119 ISSUE DATE: 12/06/2011
TITLE: METHOD AND APPARATUS FOR PROVIDING A MULTI-SCOPE BUG TRACKING
PROCESS

APPLICATION NUMBER: 12098901 FILING DATE: 04/07/2008
PATENT NUMBER: 8135878 ISSUE DATE: 03/13/2012
TITLE: METHOD AND APPARATUS FOR IMPROVING THROUGHPUT ON A COMMON BUS

APPLICATION NUMBER: 12175702 FILING DATE: 07/18/2008
PATENT NUMBER: 8072974 ISSUE DATE: 12/06/2011
TITLE: METHOD AND APPARATUS FOR IMPROVING PACKET PROCESSING PERFORMANCE
USING MULTIPLE CONTEXTS

APPLICATION NUMBER: 12239041 FILING DATE: 09/26/2008
PATENT NUMBER: 7855967 ISSUE DATE: 12/21/2010
TITLE: METHOD AND APPARATUS FOR PROVIDING LINE RATE NETFLOW STATISTICS
GATHERING

APPLICATION NUMBER: 12239084 FILING DATE: 09/26/2008
PATENT NUMBER: ISSUE DATE:
TITLE: METHOD AND APPARATUS FOR IMPROVING CAM LEARN THROUGHPUT USING A
CACHE

APPLICATION NUMBER: 12239118 FILING DATE: 09/26/2008
PATENT NUMBER: ISSUE DATE:
TITLE: METHOD AND APPARATUS FOR NETWORK LOAD BALANCING USING
INDIRECTION RAM DURING CLASSIFICATION

APPLICATION NUMBER: 12327540 FILING DATE: 12/03/2008
PATENT NUMBER: ISSUE DATE:
TITLE: METHOD AND APPARATUS FOR LINK LEVEL LOOP DETECTION

APPLICATION NUMBER: 12333609 FILING DATE: 12/12/2008
PATENT NUMBER: 7856024 ISSUE DATE: 12/21/2010
TITLE: METHOD AND APPARATUS FOR INTEGRATING ROUTING AND BRIDGING
FUNCTIONS

APPLICATION NUMBER: 12358865 FILING DATE: 01/23/2009
PATENT NUMBER: 8072882 ISSUE DATE: 12/06/2011
TITLE: METHOD AND APPARATUS FOR A GRACEFUL FLOW CONTROL MECHANISM IN A
TDM-BASED PACKET PROCESSING ARCHITECTURE

APPLICATION NUMBER: 12390165 FILING DATE: 02/20/2009
PATENT NUMBER: ISSUE DATE:
TITLE: METHOD AND APPARATUS FOR BYPASSING INTERNET TRAFFIC

APPLICATION NUMBER: 12421847 FILING DATE: 04/10/2009
PATENT NUMBER: 7990852 ISSUE DATE: 08/02/2011
TITLE: METHODS AND APPARATUS FOR IMPROVING NETWORK COMMUNICATION USING
BFD AND VRRP TRACKING SYSTEM

APPLICATION NUMBER: 12434165 FILING DATE: 05/01/2009
PATENT NUMBER: 8098688 ISSUE DATE: 01/17/2012
TITLE: METHODS AND APPARATUS FOR OPTIMIZING NETWORK MANAGEMENT TRAFFIC
USING DYNAMIC SNMP PACKET RESIZING

APPLICATION NUMBER: 12465073 FILING DATE: 05/13/2009
PATENT NUMBER: ISSUE DATE:
TITLE: METHODS AND APPARATUS FOR OBTAINING NETWORK INFORMATION USING
FILE TRANSFER

APPLICATION NUMBER: 12535876 FILING DATE: 08/05/2009
PATENT NUMBER: ISSUE DATE:
TITLE: RE-SYNCHRONIZING DATA BETWEEN NETWORK ELEMENTS AND NETWORK
MANAGEMENT SYSTEM USING PARTIAL NODE DISCOVERY

APPLICATION NUMBER: 12821538 FILING DATE: 06/23/2010
PATENT NUMBER: ISSUE DATE:
TITLE: METHOD AND APPARATUS FOR LEVERAGING MULTISITE OPERATION LOGS FOR
GENERATING REPORTS

APPLICATION NUMBER: 12879223 FILING DATE: 09/10/2010
PATENT NUMBER: ISSUE DATE:
TITLE: METHOD AND APPARATUS FOR COLLECTING AND STORING STATISTICS DATA
FROM NETWORK ELEMENTS USING SCALABLE ARCHITECTURE

APPLICATION NUMBER: 12976912 FILING DATE: 12/22/2010
PATENT NUMBER: ISSUE DATE:
TITLE: METHOD AND APPARATUS FOR PROVIDING CONTENT-BASED NETFLOW
ACCOUNTING

APPLICATION NUMBER: 13081343 FILING DATE: 04/06/2011
PATENT NUMBER: ISSUE DATE:
TITLE: METHOD AND APPARATUS FOR PROVIDING VIDEO OPTIMIZATION FOR
BROADCAST MEDIA

APPLICATION NUMBER: 13102953 FILING DATE: 05/06/2011
PATENT NUMBER: ISSUE DATE:
TITLE: METHOD AND APPARATUS FOR MANAGING CONTENT DISTRIBUTION USING
CONTENT SIGNATURES

APPLICATION NUMBER: 13159286 FILING DATE: 06/13/2011
PATENT NUMBER: ISSUE DATE:
TITLE: METHOD AND APPARATUS FOR IMPROVING NETWORK COMMUNICATION USING
BFD AND VRRP TRACKING SYSTEM

APPLICATION NUMBER: 13168757 FILING DATE: 06/24/2011
PATENT NUMBER: ISSUE DATE:
TITLE: METHOD AND APPARATUS FOR IMPROVING DATA INTEGRITY DURING A
ROUTER RECOVERY PROCESS

APPLICATION NUMBER: 13180864 FILING DATE: 07/12/2011
PATENT NUMBER: ISSUE DATE:
TITLE: METHODS AND APPARATUS FOR IMPROVING NETWORK COMMUNICATION USING
ETHERNET SWITCHING PROTECTION

APPLICATION NUMBER: 13245594 FILING DATE: 09/26/2011
PATENT NUMBER: ISSUE DATE:
TITLE: METHODS AND APPARATUS FOR IMPROVING RELIABILITY OF
POINT-OF-POINT NETWORK CONNECTION

APPLICATION NUMBER: 13245642 FILING DATE: 09/26/2011
PATENT NUMBER: ISSUE DATE:
TITLE: METHODS AND APPARATUS FOR ENHANCING FAULT MANAGEMENT USING
INTER-WORKING BETWEEN PPP AND ETHERNET

APPLICATION NUMBER: 13289652 FILING DATE: 11/04/2011
PATENT NUMBER: ISSUE DATE:
TITLE: METHOD AND APPARATUS FOR IMPROVING PACKET PROCESSING PERFORMANCE
USING MULTIPLE CONTEXTS

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION