

## PATENT ASSIGNMENT

Electronic Version v1.1

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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>Manuel Salcido</td><td>04/11/2008</td></tr><tr><td>James Hansen</td><td>04/11/2008</td></tr><tr><td>Greg Milburn</td><td>04/11/2008</td></tr></tbody></table>	Name	Execution Date	Manuel Salcido	04/11/2008	James Hansen	04/11/2008	Greg Milburn	04/11/2008	
Name	Execution Date								
Manuel Salcido	04/11/2008								
James Hansen	04/11/2008								
Greg Milburn	04/11/2008								
RECEIVING PARTY DATA									
Name:	Avago Technologies Fiber IP (Singapore) Pte. Ltd.								
Street Address:	1 Yishun Avenue 7								
City:	Singapore								
State/Country:	SINGAPORE								
Postal Code:	768923								
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>12102244</td></tr></tbody></table>	Property Type	Number	Application Number:	12102244					
Property Type	Number								
Application Number:	12102244								
CORRESPONDENCE DATA									
Fax Number:	(770)804-0900								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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ATTORNEY DOCKET NUMBER:	10070103-01								
NAME OF SUBMITTER:	John M. Harman, Reg. No. 38173								
Total Attachments: 2 source=01015_0442U1ECBUIPAssign_10070103-01_asfiled#page1.tif source=01015_0442U1ECBUIPAssign_10070103-01_asfiled#page2.tif									

CH \$40.00 12102244

PATENT

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REEL: 020798 FRAME: 0396

AVAGO TECHNOLOGIES, LTD.  
P.O. Box 1920  
Denver, Colorado 80201-1920

ATTORNEY DOCKET NO. 10070103-01

ASSIGNMENT OF PATENT APPLICATION TO AVAGO TECHNOLOGIES  
ECBU IP (SINGAPORE) PTE. LTD.

I/We the undersigned (each) have agreed and hereby agree to assign to Avago Technologies ECBU IP (Singapore) Pte. Ltd. (Company Registration No. 200512325K), a company incorporated under the laws of Singapore whose registered office is at No. 1 Yishun Avenue 7, Singapore 768923 (hereinafter AVAGO), in furtherance of my/our obligations to AVAGO, and do hereby assign and transfer to AVAGO, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Letters Patent of the United States entitled:

**IDENTIFICATION OF BOARD CONNECTIONS FOR DIFFERENTIAL RECEIVERS**

Filing date: \_\_\_\_\_ Serial No.: \_\_\_\_\_

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters Patents.

I/We additionally authorize AVAGO to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by AVAGO, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to AVAGO, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to AVAGO, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patents, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid AVAGO, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by AVAGO;

AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to AVAGO, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct AVAGO attorneys to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Manuel Salcido  
Inventor's Signature (Seal)

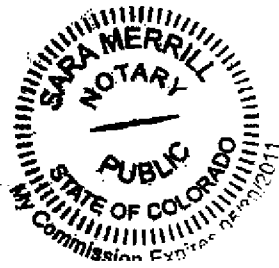
Date Assignment Signed: 4/11/08

Inventor's Typed Name: Manuel Salcido

Date Application Signed: 4/11/08

State of Colorado,  
County of Larimer } ss.:

Before me this 1<sup>th</sup> day of April, personally appeared Manuel Salcido who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.



Sara Merrill  
Notary Public  
My commission expires: 5/30/2011

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

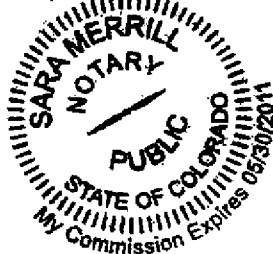
Inventor's Signature (Seal)

Date Assignment Signed: 4/11/03

Inventor's Typed Name: James Hansen

Date Application Signed: 4/11/03State of Colorado }County of Larimer } ss.:

Before me this 11<sup>th</sup> day of April, personally appeared James Hansen who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.



Notary Public

My commission expires: 5/30/2011

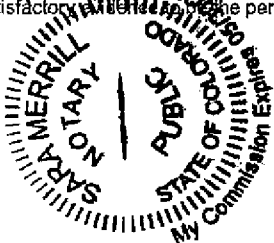
Inventor's Signature (Seal)

Date Assignment Signed: 4-11-08

Inventor's Typed Name: Greg Milburn

Date Application Signed: 4-11-08State of Colorado }County of Larimer } ss.:

Before me this 11<sup>th</sup> day of April, personally appeared Greg Milburn who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.



Notary Public

My commission expires: 5/30/2011

Inventor's Signature (Seal)

Date Assignment Signed: \_\_\_\_\_

Inventor's Typed Name: \_\_\_\_\_

Date Application Signed: \_\_\_\_\_

State of \_\_\_\_\_ }

County of \_\_\_\_\_ } ss.:

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared \_\_\_\_\_ who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.

Notary Public

My commission expires: \_\_\_\_\_