### 501987495 07/13/2012

#### PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

## **CONVEYING PARTY DATA**

Name	Execution Date
Mark A. Hinton	07/10/2012
Minh V. Quach	07/11/2012
Regee Petaja	07/10/2012

#### RECEIVING PARTY DATA

Name:	Avago Technologies Enterprise IP (Singapore) Pte. Ltd.		
Street Address:	No. 1 Yishun Avenue 7		
City:	Singapore		
State/Country:	SINGAPORE		
Postal Code:	768923		

#### PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13548234	

#### **CORRESPONDENCE DATA**

 Fax Number:
 (770)804-0900

 Phone:
 970-288-0731

Email: avagoip@system.foundationip.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Correspondent Name: Kathy Manke Avago Technologies Limited

Address Line 1: 4380 Ziegler Road

Address Line 4: Fort Collins, COLORADO 80525

ATTORNEY DOCKET NUMBER:	2011-140USORG	
NAME OF SUBMITTER:	Michael J. Tempel	

**Total Attachments: 2** 

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PATENT REEL: 028541 FRAME: 0225 CH \$40,00 135

When recorded please return to:

AVAGO TECHNOLOGIES, LTD. 4380 Ziegler Road Fort Collins, CO 80525

#### ATTORNEY DOCKET NO. 2011-140USORG

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

I/We the undersigned (each) have agreed and hereby agree to assign to Avago Technologies Enterprise IP (Singapore) Pte. Ltd. (Company Registration No. 200512336N), 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:

nit

Ball Grid Array (BGA) And Receive Differen	And Printed Circuit Bo tial Signal Pairs	ard (PCB) Via Pa	ttern To Reduce Differer	ntial Mode Crosstalk Between Transn
0.7	-13-2012		13/548,2	234
Filing date:	10 2012	Serial No.:		
and renewals of and s	ubstitutes for said applic	cation for Letters I	Patent, and any and all L	continuations-in-part (C-I-P's), divisional etters Patent of the United States and or reexaminations, or extensions of sa
enjoyed by AVAGO, its Letters Patent respect	successors, assigns, r	nominees or legal elssued or extend	representatives, to the fulled, as fully and entirely	ers Patent in any country, to be held ar ill end of the term or terms for which sa as the same would have been held ar
executed and will not e request is made, and w to said invention(s) or i legal representatives, a improvement(s), said a disclaimers and divisio generally to do everyti enforce, for its or their of	execute any agreement without undue delay, exe mprovement(s), said aga and I/we agree to comm pplication and said Lette nals, continuations, C-I- ning possible to aid AV own benefit, proper pate	in conflict herewit cute and deliver a oplication and said unicate to AVAGC ers Patents, to test P's, reissue and for AGO, its success nt protection for sa	h, and I/we further coven il such papers as may be I Letters Patent, to AVAG D, or to its nominee, all kn tify in any legal proceeding preign applications, to mal sors, assigns, nominees	therein assigned, and that I/we have neant and agree that I/we will, each time necessary or desirable to perfect the tile. Oo, its successors, assigns, nominees nown facts respecting said invention(s) ags, to sign all lawful papers, to execute all rightful oaths and declarations, are and legal representatives to obtain arement(s) in any and all countries provide are paid by AVAGO;
of any country or coun AVAGO, as assignee o any and all Letters Pat	tries foreign to the Unite f the entire right, title and	ed States whose of d interest, any and s which may be is	tuty it is to issue patents all Letters Patent for said	marks of the United States and any office on applications as aforesaid, to issue invention(s) or improvement(s), includir as a result of the application aforesaid,
I/we further a identified by the attome United States Patent a	ey docket number and ti	AGO attomeys to tle set forth above	insert the serial number as soon as the same sha	r and filing date of said application no all have been made known to them by th
IN WITNESS	WHEREOF, I/we hereu	nto set my/our ha	nd(s) and seal(s):	
Inventor's Signature (Seal)	4 Alfunta	•	Date Assignment Sign	ned: 7/10/2012
macing a difinating (deat)				
Inventor's Typed Name:	Mark A. Hinton	Da	te Application Signed: 7/	10/2012

Page 1 of 2

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PATENT APPLICATION

AVAGO TECHNOLOGIES, LTD. 4380 Ziegler Road Fort Collins, CO 80525

ATTORNEY DOCKET NO. . 2011-140USORG

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

Inventor's Signature (Seal)

Date Assignment Signed: 7/11/2012

Inventor's Typed Name:

Minh V. Quach

Date Application Signed: 7/11/

7/11/2012

Incentor's Signature (Seal)

Inventor's Typed Name:

Regee Petaja

Date Assignment Signed:\_\_

Date Application Signed: 7/10/2517

Page 2 of 2

PATENT REEL: 028541 FRAME: 0227

**RECORDED: 07/13/2012**