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SUBMISSION TYPE:		NEW ASSIGNMENT					
NATURE OF CONVEYANCE:		ASSIGNMENT					
CONVEYING PARTY DATA							
Ν			ame	Execution Date			
				11/15/2007			
Yat Kheng Leong				11/05/2007			
Sai Mun Lee				11/05/2007			
RECEIVING PARTY DATA							
Name:	Avago Techno	logies	ECBU IP (Singapore) Pte. Ltd.				
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City:	Singapore	Singapore					
State/Country:	SINGAPORE						
Postal Code:	768923						
PROPERTY NUMBERS Total: 1 Property Type Application Number: 11948		Number 843					
CORRESPONDENCE DATA							
Fax Number:(970)288-0617Correspondence will be sent via US Mail when the fax attempt is unsuccessful.Phone:970-288-0731Email:avagoip@system.foundationip.comCorrespondent Name:Kathy Manke Avago Technologies LimitedAddress Line 1:4380 Ziegler RoadAddress Line 4:Fort Collins, COLORADO 80525							
ATTORNEY DOCKET NUMBER:			70070077-01				
NAME OF SUBMITTER:			Thomas H. Ham				
Total Attachments: 2 source=70070077-01_Assignment#page1.tif source=70070077-01_Assignment#page2.tif PATENT							
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PATENT APPLICATION

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

ATTORNEY DOCKET NO. 70070077-01

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:

SYSTEM AND METHOD FOR PERFORMING OPTICAL NAVIGATION USING HORIZONTALLY **ORIENTED IMAGING LENS**

Filing date: November 30, 2007 Serial No.: 11/948,843

and the invertion(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 therete which may be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters Patents.

t/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 l/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 caths 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 l/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):

Inventor's

inventor's Typed Name: Thineshwaran Gopal Krishnan

) \$\$.;

State of County of

Before methis

Date Assignment Signed:	15	NOV	<u>'07</u>	
Date Application Signed:	15	NUV	`o'Т	

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:

> > Page 1 of 2

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ASSIGNMENT OF PATENT APPLICATION (cont.)

	, l/we hereunto set my/ou	
	1 B	Date Assignment Signed: <u>SNOU 2007</u>
Inventor's Signature (Seal)	~	
Inventor's Typed Name: Yat I	Kheng Leong	Date Application Signed: 5 Nov 2007
State of)	
County of) ss.:)	
Before me this known or proved to me on the t free act and deed.	_ day of, pe pasis of satisfactory evidence to	rsonally appeared who is personally be the person who acknowledged the foregoing instrument of assignment to be his/her
		Notary Public My commission expires:
لمر Inventor's Signature (Seal)	Ätten	Date Assignment Signed: <u>5 いひ えので</u> う
Inventor's Typed Name: Sai	Mun Lee	Date Application Signed: <u> </u>
State of)	
County of) ss.:)	
Before me this known or proved to me on the free act and deed.	_ day of, pe basis of satisfactory evidence to	who is personally appeared who is personally be the person who acknowledged the foregoing instrument of assignment to be his/her
Inventor's Signature (Seal)		Date Assignment Signed:
Inventor's Typed Name:		Date Application Signed:
State of)	
County of) ss.:)	
Before me this known or proved to me on the free act and deed.	_ day of, pe basis of satisfactory evidence to	ersonally appeared who is personally obe the person who acknowledged the foregoing instrument of assignment to be his/her
		Notary Public My commission expires:

Page 2 of 2 PATENT REEL: 020209 FRAME: 0890

RECORDED: 11/30/2007