PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVE	YANCE:	ASSIGNMENT			
CONVEYING PARTY DATA					
		Name	Execution Date		
Timothy J. Orsley 05/10/2007					
Jonah Harley	Jonah Harley 05/10/2007				
RECEIVING PARTY [ΔΤΑ				
Name:	AVAGO TECHNOLOGIES ECBU IP (SINGAPORE) PTE. LTD.				
Street Address:	NO. YISHUN AVE. 7				
City:	SINGAPORE				
State/Country:	SINGAPORE	GAPORE			
Postal Code:	768923				
PROPERTY NUMBER	RS Total: 1				
Property Type			1	11	
Property T	уре	Number		807	
Property T Application Number:		Number /81406		90784	
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ATTORNEY DOCKET NO. 10060048-1

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

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 (P (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 Emulating Wheel-Style, Rocker-Style, Or Wheel-And-Rocker Style Navigation With An Analog Pointing Device

Filing date: July 23, 2007	Serial No.:	11 781,40
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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, relssued 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, tills 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.

Before me this _____day of ______, personally appeared _______who is personally appeared _________ who is personally appeared _________ and 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

PATENT REEL: 025466 FRAME: 0614

ATTORNEY DOCKET NO. 10060048-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

Wonah	then	Date Assignment Signed: MAY 10, 2	2007
nventor's Signature (Seal)		Dete Assignment Signed: MAY 10, 2	
Inventor's Typed Name: Jonal	n Harley	Date Application Signed: MAY 10, 3	2007
State of)		
County of) ss.:)		
Before me this	day of per asis of satisfactory evidence to I	sonally appeared where the state of assignment of	no is personally nt to be his/her
		Notary Public My commission expires:	
Inventor's Signature (Seal)		Date Assignment Signed:	
Inventor's Signature (Seal)			
Inventor's Typed Name:		Date Application Signed:	
State of))ss.:		
County of	5		
known or proved to me on the b free act and deed.	asis of satisfactory evidence to	whethe person who acknowledged the foregoing instrument of assignment of	ant to de his/net
Inventor's Signature (Seai)		Date Assignment Signed:	
Annual Transfer		Data Application Signed:	
Inventor's Typed Name: State of	١		
CITATO OF) ss.:		
County of)		
County of Before me this known or proved to me on the t free act and deed.) _ day of, p€ basis of satisfactory evidence to	be the person who acknowledged the foregoing instrument of assignm	who is personally ent to be his/her
Before me this known or proved to me on the t) _day of, p€ basis of satisfactory evidence to	versonally appearedv be the person who acknowledged the foregoing instrument of assignm Notary Public My commission expires:	who is personally ent to be his/her

PATENT REEL: 025466 FRAME: 0615

RECORDED: 12/07/2010