

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Robert Ritter</td> <td>06/02/2009</td> </tr> <tr> <td>Kenneth Brewer</td> <td>06/02/2009</td> </tr> <tr> <td>Vitali Souchkov</td> <td>06/02/2009</td> </tr> <tr> <td>Sarangan Narasimhan</td> <td>06/02/2009</td> </tr> </tbody> </table>		Name	Execution Date	Robert Ritter	06/02/2009	Kenneth Brewer	06/02/2009	Vitali Souchkov	06/02/2009	Sarangan Narasimhan	06/02/2009
Name	Execution Date										
Robert Ritter	06/02/2009										
Kenneth Brewer	06/02/2009										
Vitali Souchkov	06/02/2009										
Sarangan Narasimhan	06/02/2009										
RECEIVING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Avago Technologies ECBU IP (Singapore) Pte. Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>No. 1 Yishun Avenue 7</td> </tr> <tr> <td>City:</td> <td>Singapore</td> </tr> <tr> <td>State/Country:</td> <td>SINGAPORE</td> </tr> <tr> <td>Postal Code:</td> <td>768923</td> </tr> </table>		Name:	Avago Technologies ECBU IP (Singapore) Pte. Ltd.	Street Address:	No. 1 Yishun Avenue 7	City:	Singapore	State/Country:	SINGAPORE	Postal Code:	768923
Name:	Avago Technologies ECBU IP (Singapore) Pte. Ltd.										
Street Address:	No. 1 Yishun Avenue 7										
City:	Singapore										
State/Country:	SINGAPORE										
Postal Code:	768923										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12476690</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12476690						
Property Type	Number										
Application Number:	12476690										
CORRESPONDENCE DATA											
<p>Fax Number: (970)288-0617</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 970-288-0731</p> <p>Email: avagoip@system.foundationip.com</p> <p>Correspondent Name: Kathy Manke Avago Technologies Limited</p> <p>Address Line 1: 4380 Ziegler Road</p> <p>Address Line 4: Fort Collins, COLORADO 80525</p>											
ATTORNEY DOCKET NUMBER:	2009-050USORG										
NAME OF SUBMITTER:	Thomas F. Woods										
<p>Total Attachments: 3</p> <p>source=Assignment Avago Technologies 2009-050USORG (P AVG 306) 06 02 09#page1.tif</p>											

CH \$40.00 12476690

500874883

PATENT
REEL: 022767 FRAME: 0537

source=Assignment Avago Technologies 2009-050USORG (P AVG 306) 06 02 09#page2.tif
source=Assignment Avago Technologies 2009-050USORG (P AVG 306) 06 02 09#page3.tif

AVAGO TECHNOLOGIES, LTD.
4380 Ziegler Road
Fort Collins, Colorado 80525
Attn: Kathy Manke, MS 76

ATTORNEY DOCKET NO. 2009-050USORG

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:

Sensor Patterns for Mutual Capacitance Touchscreens

Filing date: June 2, 2009

Serial No.: 12/476,690

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):


Inventor's Signature (Seal)

Date Assignment Signed: 6/2/09

Inventor's Typed Name: Robert Ritter

Date Application Signed: _____

State of _____)

) ss.: _____

County of _____)

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: _____

PATENT
REEL: 022767 FRAME: 0539

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: 6/2/2007

Inventor's Typed Name: Kenneth Brewer

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:

Inventor's Signature (Seal)

Date Assignment Signed: 6/2/2009

Inventor's Typed Name: Vitali Souchkov

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:

Inventor's Signature (Seal)

Date Assignment Signed: _____

Inventor's Typed Name: Sarangan Narasimhan

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:

ATTORNEY DOCKET NO. 2009-050USORG

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: _____

Inventor's Typed Name: Kenneth Brewer

Date Application Signed: _____

State of)
County of) ss.:
)

Before me this 10 day of February, personally appeared JOSEPH A. MURPHY 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:

Inventor's Signature (Seal)

Date Assignment Signed: _____

Inventor's Typed Name: Vitali Souchkov

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:

Inventor's Signature (Seal)

Date Assignment Signed: 6/2/2009

Inventor's Typed Name: Sarangan Narasimhan

Date Application Signed: 6/2/2009

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: