503959149 08/12/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
ASHUTOSH RAVINDRA JOHARAPURKAR	03/04/2011	
JEAN CAUXUAN LE	03/11/2011	
NATARAJAN VISWANATHAN	03/15/2011	
PATRICK CHAN	03/15/2011	

RECEIVING PARTY DATA

Name:	QUALCOMM INCORPORATED
Street Address:	5775 MOREHOUSE DRIVE
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92121-1714

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15199757	

CORRESPONDENCE DATA

Fax Number: (510)663-0920

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Address Line 4: OAKLAND, CALIFORNIA 94607

ATTORNEY DOCKET NUMBER:	QUALP361CC2US
NAME OF SUBMITTER:	MICHAEL L. DAY
SIGNATURE: / Michael L. Day /	
DATE SIGNED:	08/12/2016

Total Attachments: 4

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PATENT REEL: 039425 FRAME: 0897

ASSIGNMENT

WHEREAS, WE, Ashutosh Ravindra Joharapurkar, Jean CauXuan Le, Natarajan Viswanathan, and Patrick Chan, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: NOISE CANCELLATION TECHNIQUE FOR CAPACITIVE TOUCHSCREEN CONTROLLER USING

DIFFERENTIAL SENSING

Salore Metro

Filing Date: January 07, 2011 Serial No.: 12/986,881 Date of execution of application: WHEREAS, MAXIM Integrated Products, Inc., a corporation of the State of Delaware, 120 San Gabriel Drive, Sunnyvale, CA 94086, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same; NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignce, and Assignce's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignors had this assignment and transfer not been made, to the full end and term of any Letters Patent. Assignors further agree that they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignce, or Assignee's successors and assigns. IN TESTIMONY WHEREOF, Assignors have hereunto signed their names to this assignment on the dates indicated below. orayurlus Ashutosh Ravindra Joharapurkar Jean CauXuan Le Natarajan Viswanathan Date Patrick Chan Date COUNTY OF TNDP & capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. NOTARY STAMP AWIENESS my hand and official sent. NOT SUPPLIED BY GOVT. OF KARNATAKA WITH FFECT FROM 1-4-2003 ADVOCATE & NOTARY No. 17, Srigandha Nilaya NOTARY

Govindappa Layout Near

R.M.V. II SHEET

ASSIGNMENT WHEREAS, WE, Ashutosh Ravindra Joharapurkar, Jean CauXuan Le, Natarajan Viswanathan, and Fatrick Chan, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent: Title of Invention: NOISE CANCELLATION TECHNIQUE FOR CAPACITIVE TOUCHSCREEN CONTROLLER USING DIFFERENTIAL SENSING Date of execution of application: Filing Date: January 07, 2011 Serial No.: 12/986,881 WHEREAS, MAXIM Integrated Products, Inc., a corporation of the State of Delaware, 120 San Gabriel Drive, Sunnyvale, CA 94086, hereinafter referred to as "ASSIGNEE", is destrous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the said of the sai NOW THEREFORE, TO ALL WITOM IT MAY CONCERN. Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged, Assigning lave sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee, and Assignee's successors and issigns; all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States, and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignors and this assignment and transfer not been made, to the full end and term of any Letters Patent. Assignors further agree that they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said applications and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns. IN TESTIMONY WHEREOF, Assignors have hereunto signed their names to this assignment on the dates indicated below. Ashutosh Ravindia Joharapurkar Natarajan Viswanathan Date Patrick Chan Date STATE OF On March 11, 2011 On Planty With before me, Lower VII a notary public, personally appeared Ashutesh Revindra Johannpurker, Jean Cau Xuan Le, Natarajan Viswanathan, and Patrick Chan, who proved to me on the basis of satisfactory evidence to be the personal whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they/excepted the same in his/he/their authorized capacity (isa), and that by his/he/their signature(x) on the instrument the person(a), or the entity uppn helial for which the person(s) acted, executed

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.



WITNESS my hand and official seal.

ignature of Notary Public ATENT REEL: 025976 FRAME: 096 REEL: 039425 FRAME: 08

ASSIGNMENT

WHEREAS, WE, Ashutosh Ravindin Johannpurkar, Jean CauXuan Le, Natamian Viswanathan, and Patrick Chan, hereinafter reterred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent: Title of Invention: NOISE CANCELLATION TECHNIQUE FOR CAPACITIVE TOUCHSCREEN CONTROLLER USING DIFFERENTIAL SENSING Date of execution of application: Filing Date: January 07, 2011 Serial No.: 12/986.881 WHEREAS, MAXIM Integrated Products, Inc., a corporation of the State of Delaware, 120 San Gabriel Drive, Sunnyvale, CA 94086, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same; NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said Assignce as fully and exclusively as it would have been held and enjoyed by said Assignce as fully and exclusively as it would have been held and enjoyed by said Assignce as fully and exclusively as it would have been held and enjoyed by said Assignce as fully and exclusively as it would have been held and enjoyed by said Assignce as fully and exclusively as it would have been held and enjoyed by said Assignce as fully and exclusively as it would have been held and enjoyed by said Assignce as fully and exclusively as it would have been held and enjoyed by said Assignce as fully and exclusively as it would have been held and enjoyed by said Assignce as fully and exclusively as it would have been held and enjoyed by said Assignce as fully and exclusively as it would have been held and enjoyed by said Assignce as fully and exclusively as it would have been held and enjoyed by said Assignce as fully and exclusively as it would have been held and enjoyed by said Assignce as fully and exclusively as it would have been held and enjoyed by said Assignce as fully and exclusively as it would have been held and enjoyed by said Assignce as fully and exclusively as it would have been held and enjoyed by said Assignce as fully and exclusively as it would have been held and enjoyed by said Assignce as fully as it would be a supplied to the end of the en and transfer not been made, to the full end and tenn of any Letters Patent. Assignors further agree that they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignment and transfer thereof, and will perform such other acts as Assignment lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignée, or Assignee's successors and assigns. IN TESTIMONY WHERBOF, Assignors have hereunto signed their names to this assignment on the dates indicated below. Ashutosh Rayindra Joharapurkar Date Jean CauXuan Le Date Natarajan Viswanathan Patrick Chan Date LeTuyet , a notary public, personally appeared Ashutosh Ravindra capacity(iss), and that by his/heir signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. LE TUYET YU WITNESS my hand and official seal. Commission # 1814483 Notary Public - California Santa Clara County

SEAL

My Comm. Expires Sep 22, 2012

Signature of Notary Public

ASSIGNMENT

WHEREAS, WE, Ashutosh Ravindra Johannurkar, Jean CauXuan Le, Natarajan Viswanathan, and Patrick Chan, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements us described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: NOISE CANCELLATION TECHNIQUE FOR DIFFERENTIAL SENSING	DR CAPACITIVE TOUCHSCREEN C	CONTROLLER USING	
Date of execution of application:	Filing Date: January 07, 2011	Serial No.: 12/986,881	
WHEREAS, MAXIM integrated Products, Inc., a corporate information referred to as "ASSIGNEE", is desirous of acquiring the Letters Patent which may be granted on the same;	pration of the State of Delaware, 120 San e entire right, title and interest in said inv	Gabriel Drive, Sunnyvale, (ention and application and	CA 94086, in any
NOW THEREFORE, TO ALL WHOM IT MAY CON which is hereby acknowledged, Assignors have sold, assigned and Assignee, and Assignee's successors and assigns, all right, title and Patent, and any Letters Patent which may hereafter be granted on any divisious, renewals, continuations in whole or in part, substitute be held and enjoyed by said Assignee as fully and exclusively and transfer not been made, to the full and and term of any Letters	I transferred, and by these presents do seld interest in and to said invention, said at the same in the United States and all courtions, conversions, reissues, prolongations it would have been held and enjoyed be Patent.	II, assign and transfer unto s pplication for United States ntries throughout the world as or extensions thereof, sa by said Assignors had this as	raid Letters including id interest ssignment
Assignors further agree that they will, without charge to prosecution of said application and/or applications, execute, verify Letters Patent and for the reissue thereof, and instruments of assignationally may request, to obtain or maintain Letters Patent for said said Assignee, or Assignee's successors and assigns.	y, acknowledge and deliver all such furth nment and transfer thereof, and will perf	er papers, including applications such other acts as Assi	utions for
IN TESTIMONY WHEREOF, Assignors have hereunt	o signed their names to this assignment o	on the dates indicated below	
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Ashutosh Ravindra Joharapurkar		Dale	14
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Jehampurkar, Jean Cau Yuan Le, Waternian Viswenalisan, and Patric whose name(s) is/are subscribed to the within instrument and acknown to the copacity (ies), and that by his/hel/thoir signature(s) on the instrument the instrument.	inwiedged to me that be/shadiled evecute	of the come in biethauthair.	bowwadlar
certify under PENALTY OF PERJURY under the laws of the Sta	de of California that the foregoing paring	raph is true and correct.	
	WITNESS my hand and official seal.		
Commission # 1814483 Notary Public - California Santa Claria County	St. 16 3	Holony	
My Comm, Expires Sep 22, 2012	Signature of Notal	ry Public	
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RECORDED: 03/17/2011 RECORDED: 08/12/2016 REEL: 025976 FRAME: 0966 REEL: 039425 FRAME: 0961