

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4229190

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARCIE M MILLER	01/06/2017
RODERICK E KRONSCHNABEL	01/05/2017
MATTHEW J SCHNEIDER	01/05/2017
RENE J SANCHEZ	12/22/2016
CHRISTOPHER L ROSS	01/09/2017
RYAN R CARNAGHI	01/06/2017
KEITH A SWESEY	01/05/2017
KEVIN EDWARDS	01/05/2017
STEVEN W WHITEHORN	01/03/2017
CECILIA YANCY	01/03/2017
THOMAS V MOSS	01/05/2017

RECEIVING PARTY DATA

Name:	INTEL CORPORATION
Street Address:	2200 MISSION COLLEGE BLVD.
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15387183

CORRESPONDENCE DATA**Fax Number:**

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.

Phone: 612-373-6900**Email:** request@slwip.com**Correspondent Name:** SCHWEGMAN, LUNDBERG & WOESSNER/INTEL**Address Line 1:** C/O CPA GLOBAL**Address Line 2:** 900 SECOND AVENUE SOUTH SUITE 600**Address Line 4:** MINNEAPOLIS, MINNESOTA 55402

PATENT

ATTORNEY DOCKET NUMBER:	884.Y20US1
NAME OF SUBMITTER:	NANCY CUNDALL
SIGNATURE:	/Nancy Cundall/
DATE SIGNED:	01/17/2017

Total Attachments: 7

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RECORDATION FORM COVER SHEET
PATENTS ONLY

Atty Ref/Docket No.: 884.Y20US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Marcie M. Miller, Roderick E. Kronschnabel, Matthew J. Schneider, Rene J. Sanchez, Christopher L. Ross, Ryan R. Carnaghi, Keith A. Swesey, Kevin Edwards, Steven W. Whitehorn, Cecilia Yancy, Thomas V. Moss

Additional name(s) of conveying party(ies) attached?

Yes No

2. Name and address of receiving party(ies):

Name: Intel Corporation

Street Address: 2200 Mission College Blvd.

City: Santa Clara State: CA Zip: 95054

Country: United States of America

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: January 6, 2017, January 5, 2017,
January 5, 2017, December 22, 2016, January 9, 2017,
January 6, 2017, January 5, 2017, January 5, 2017,
January 3, 2017, January 3, 2017, January 5, 2017

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

Serial No. 15/387,183

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Lucas M. Hjelle

Address:

Schwegman Lundberg & Woessner, P.A.
P.O. Box 2938
Minneapolis, MN 55402--0938

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 0.00

Enclosed

Authorized to be charged to deposit account
504238

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 504238

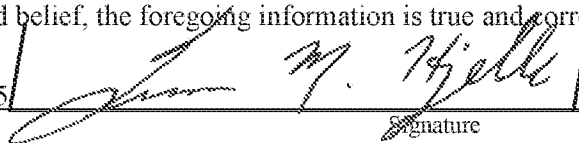
DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Lucas M. Hjelle/Reg. No. 72,945

Name of Person Signing



Signature

17 January 2017

Date

Total number of pages including cover sheet: 7

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Mail Stop Assignment Recordation Services
P.O. Box 1450
Alexandria, VA 22313-1450

PATENT
REEL: 040993 FRAME: 0078

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

<Marcie M. Miller, Roderick E. Kronschnabel, Matthew J. Schneider, Rene J. Sanchez,
Christopher L. Ross, Ryan R. Carnaghi, Keith A. Swesey, Kevin Edwards, Steven W.
Whitehorn, Cecilia Yancy, Thomas V. Moss>

hereby sell, assign, and transfer to:

Intel Corporation

a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California, 95054 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all other countries, in and to any and all inventions and improvements that are disclosed in the application for the patent entitled:

CAPACITIVE PROXIMITY SENSING

(I hereby authorize and request any attorney having appropriate authority from the assignee to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on December 21, 2016 as

United States of America Application Number 15/387,183

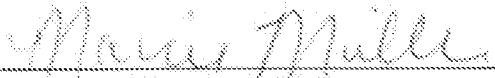
which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all other countries and international filing offices on said inventions and improvements; and in and to all rights of priority resulting from the filing of said applications; as used herein "Additional Applications" includes but is not limited to design, utility, utility model, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and national phase applications on said inventions and improvements;

and agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute

all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.



Marcie M. Miller

11/6/2017

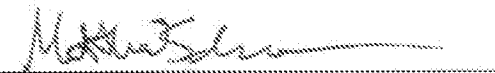
Date Signed



Roderick E. Kronschnabel

11/5/2017

Date Signed




Matthew J. Schneider

11/5/2017

Date Signed

Rene J. Sanchez

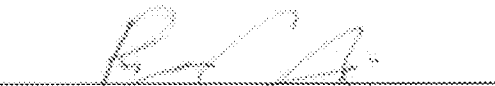
Date Signed



Christopher L. Ross

1-9-17

Date Signed



Ryan R. Carnaghi

1/6/2017

Date Signed



Keith A. Swesey

1/5/2017

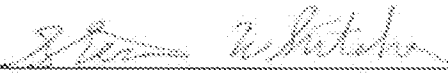
Date Signed



Kevin Edwards

1/5/2017

Date Signed



Steven W. Whitehorn

1/3/2017

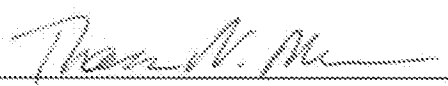
Date Signed



Cecilia Yaney

1/3/2017

Date Signed



Thomas V. Moss

1/5/2017

Date Signed

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

<Marcie M. Miller, Roderick E. Kronschnabel, Matthew J. Schneider, Rene J. Sanchez,
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CAPACITIVE PROXIMITY SENSING

(I hereby authorize and request any attorney having appropriate authority from the assignee to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on December 21, 2016 as

United States of America Application Number 15/387,183

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all other countries and international filing offices on said inventions and improvements; and in and to all rights of priority resulting from the filing of said applications; as used herein "Additional Applications" includes but is not limited to design, utility, utility model, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and national phase applications on said inventions and improvements;

and agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute

all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Marcie M. Miller

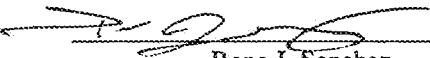
Date Signed

Roderick E. Kronschnabel

Date Signed

Matthew J. Schneider

Date Signed



Rene J. Sanchez

12/24/2016

Date Signed

Christopher L. Ross

Date Signed

Ryan R. Carnaghi

Date Signed

Keith A. Swesey

Date Signed

Kevin Edwards

Date Signed

Steven W. Whitehorn

Date Signed

Cecilia Yancy

Date Signed

Thomas V. Moss

Date Signed