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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HEMESH YASOTHARAN	02/13/2017
RAYMOND K. TANG	02/13/2017
JAMES GUTHRIE	02/13/2017

RECEIVING PARTY DATA

Name:	INTEL CORPORATION	
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City:	SANTA CLARA	
State/Country:	CALIFORNIA	
Postal Code:	95054	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15391584

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ATTORNEY DOCKET NUMBER:	884.Y53US1
NAME OF SUBMITTER:	CARLEE DAVICH
SIGNATURE:	/Carlee Davich/
DATE SIGNED:	07/14/2017

Total Attachments: 3

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RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 884.Y53US1 Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: Intel Corporation Hemesh Yasotharan, Raymond K. Tang, James Guthrie Street Address: 2200 Mission College Blvd. Additional name(s) of conveying party(ies) attached? City: Santa Clara State: CA Zip: 95054 Country: United States of America []Yes [X]No 3. Nature of conveyance: Additional name(s) & address(es) attached? []Yes [X]No [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: February 13, 2017, February 13, 2017, February 13, 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: B. Patent No.(s) A. Patent Application No.(s) Serial No. 15/391,584 Additional numbers attached? []Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41):\$ 0.00 Name: Viet V. Tong []Enclosed []Authorized to be charged to deposit account Address: 504238 Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 Please charge any additional fees or credit any over Minneapolis, MN 55402--0938 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. <u>July 14, 2017</u> Viet V. Tong/Reg. No. 45,416 Name of Person Signing Total number of pages including cover sheet: 3 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

Intel Docket No.: P109297 SLW Reference No.: 884 Y53US1

<u>ASSIGNMENT</u>

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

<Hemesh Yasotharan, Raymond K. Tang, James Guthrie>

hereby sell, assign, and transfer to:

Intel Corporation

a corporation of Delaware, having a principal place of business at 2200 Mission College Boolevard, 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:

PULSE-AMPLITUDE MODULATED HYBRID COMPARATOR CIRCUIT

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

which was filed on December 27, 2016 as

United States of America Application Number 15/391,584

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 filled 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

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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 little 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.

Hemesh Yasotharan

James Guthrie

/3 Fe4 2017 Date Signed

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