505163467 10/29/2018 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
RAGHAVAN KUMAR		10/03/2018
PHIL KNAG		10/03/2018
GREGORY K. CHEN		10/03/2018
HUSEYIN EKIN SUMBUL		10/03/2018
SASIKANTH MANIPATRUNI		10/03/2018
AMRITA MATHURIYA		10/03/2018
ABHISHEK SHARMA		10/03/2018
RAM KRISHNAMURTHY		10/03/2018
IAN A. YOUNG		10/03/2018

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:	16147024

CORRESPONDENCE DATA

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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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ATTORNEY DOCKET NUMBER:	AB1643-US
NAME OF SUBMITTER:	ANNIE PEARSON

SIGNATURE:	/Annie Pearson/	
DATE SIGNED:	10/29/2018	
Total Attachments: 6		
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ASSIGNMENT

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

RAGHAVAN KUMAR; PHIL KNAG; GREGORY K. CHEN; HUSEYIN EKIN SUMBUL; SASIKANTH MANIPATRUNI; AMRITA MATHURIYA; ABHISHEK SHARMA; RAM KRISHNAMURTHY; IAN A. YOUNG

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:

COMPUTE IN MEMORY CIRCUITS WITH TIME-TO-DIGITAL COMPUTATION

(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	September 28,		······	as
US COUNTRY or Inte	mational Office	Application Number	16/147,024	

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 Assignce 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

Page 1 of 2

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.

-Lophavan

RAGHAVAN KUMAR

bell. PHIL KNAG

GREGORY K. CHEN

HUSEYNVEKIN SUMBUL

/3/18-

<u>10/7/2018</u> Date signed

<u>Oct 201</u>8 Date signed

6/03/2018

Date signed

Date signed

SASIKANTH MANIPATRUNI

AMRITA MATHURIYA

Date signed

ABHISHEK SHARMA

RAM KRISHNAMURTHY

IAN A. YOUNG

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10/3/2018

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PHIL KNAG

GREGORY K. CHEN

HUSEYIN EKIN SUMBUL

So. Sik Or Or (S.

SASIKANTH MANIPATRUNI

AMRITA MATHURIYA

ABHISHEK SHARMA

RAM KRISHNAMURTHY

(Umung)

IAN A. YOUNG

Date signed

Date signed

Date signed

Date signed

<u>/0/311≲</u> Date signed

Date signed

10/03/2418

Date signed

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Page 2 of 2

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IAN A. YOUNG

Date signed

Date signed

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Date signed

Date signed

Date signed

Page 2 of 2

PATENT REEL: 047337 FRAME: 0346

RECORDED: 10/29/2018