# 506412174 12/18/2020

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6458931

SUBMISSION TYPE:		NEW ASSIGNMENT						
NATURE OF CONVEYANCE:		ASSIGNMENT						
	_							
CONVEYING PARTY D	ΑΤΑ						-	
		Name	Name			Execution Date		
SHAWNA M. LIFF						12/11/2017	_	
ADEL A. ELSHERBINI					12/11/2017			
JOHANNA M. SWAN					12/09/2017			
ARUN CHANDRASEKH					12/12/2017			
RECEIVING PARTY DA	ТА							
Name:	INTEL CORPORATION						7	
Street Address:	2200 N	200 MISSION COLLEGE BOULEVARD						
City:	SANTA CLARA							
State/Country:	CALIFO	CALIFORNIA						
Postal Code:	95054						-	
PROPERTY NUMBERS	6 Total: 1	Number		7				
Property Type				-				
Application Number:		17126884						
CORRESPONDENCE	ΔΤΑ							
Fax Number:		(972)226-4837						
	e sent to	the e-mail address first; if that						
0	•	l; if that is unsuccessful, it will	be sei	nt via	a US Ma	il.		
Phone: Email:		617-268-6487 liseann@patcapgroup.com.dock/	268-6487 nn@patcapgroup.com,docketing@patcapgroup.com					
Correspondent Name:		LAURA A. ZAGER						
Address Line 1: 2816 LAGO VISTA LANE								
Address Line 2:		PATENT CAPITAL GROUP						
Address Line 4:		ROCKWALL, TEXAS 75032						
ATTORNEY DOCKET N	UMBER:	AA4952-PCT-US-C1	AA4952-PCT-US-C1					
NAME OF SUBMITTER:		LISE ANN RUGGERI-KAL	LISE ANN RUGGERI-KALIL					
SIGNATURE:		/LISE ANN RUGGERI-KAL	/LISE ANN RUGGERI-KALIL/					
DATE SIGNED:		12/18/2020						
Total Attachments: 3		·						
	•	-Exctd Assgnmnt#page1.tif						
source=AA4952-PCT-US	-C1 Fully	-Exctd Assgnmnt#page2.tif						

PATENT REEL: 054694 FRAME: 0832

### <u>ASSIGNMENT</u>

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

#### Shawna M. Liff, Johanna M. Swan, Arun Chandrasekhar and Adel A. Elsherbini

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, CA 95054-1549 United States ("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:

#### MICROELECTRONIC ASSEMBLIES

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

which was filed 29 December 2017 as PCT Application Number PCT/US17/068920 and

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 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 Page 1 of 2

## PATENT REEL: 054694 FRAME: 0833

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.

Alman -

Johanna M. Swan

 $\frac{\frac{12}{11}}{\frac{2017}{20}}$ 

Arun Chandrasekhar

Adel A. Eisherbini

Date

<u>////2017</u> Date

Page Z of 2

PATENT REEL: 054694 FRAME: 0834

#### Attorney Docket No.: AA4952-PCT

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 all patents on

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.

Shawna M. Liff

Date

Johanna M. Swan

<sup>1</sup> Arun Chandrasekhar

Adel A. Elsherbini

Date

12 DEC. 2017 Date

Date

Page 2 of 2

## PATENT REEL: 054694 FRAME: 0835

**RECORDED: 12/18/2020**