PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YINGMAO LI	09/25/2018
APPIA VIJAYANBABU VIKRAM	09/25/2018
ZHONG ZIGUO	09/18/2018
LAHLOU AZIZ TAREK	09/17/2018

RECEIVING PARTY DATA

Name:	TEXAS INSTRUMENTS INCORPORATED
Street Address:	12500 TI BOULEVARD
Internal Address:	M/S 3999
City:	DALLAS
State/Country:	TEXAS
Postal Code:	75243

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16147966

CORRESPONDENCE DATA

Fax Number: (214)567-2228

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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Correspondent Name: TEXAS INSTRUMENTS INCORPORATED

Address Line 1: P O BOX 655474, M/S 3999 Address Line 4: DALLAS, TEXAS 75265

ATTORNEY DOCKET NUMBER:	TI-78863
NAME OF SUBMITTER:	DAVID M. WILSON
SIGNATURE:	/David M. Wilson/
DATE SIGNED:	10/01/2018

Total Attachments: 4

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PATENT REEL: 047015 FRAME: 0942

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> PATENT REEL: 047015 FRAME: 0943

ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign unto the said TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my entire right, title and interest in and to the said invention and in and to the said application(s) and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Patent and Trademark Office to issue all patents for said invention, or patents resulting therefrom, to the said TEXAS INSTRUMENTS INCORPORATED, as assignee of my entire right, title and interest.

I also hereby sell and assign to TEXAS INSTRUMENTS INCORPORATED, its successors and assigns, my corresponding rights to the invention disclosed in said application in all other countries of the world, including the right to claim priority, file applications and obtain patents under the terms of the Paris Convention for the Protection of Industrial Property, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such rights.

I hereby further agree that I will communicate to said TEXAS INSTRUMENTS INCORPORATED, or to its successors, assigns, and legal representatives, any facts known to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful paths, and generally do everything possible to aid said TEXAS INSTRUMENTS INCORPORATED, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

I authorize the later insertion of the nonprovisional application number and filing date herein below.

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year,

TITLE	IMAGE CLASSIFICATION		
NONPROVISIONAL APPLICATION NO.	16/147,966	FILING DATE	October 1, 2018
	S :		
SIGNATURE OF INVENTOR	建放		
PRINTED NAME OF INVENTOR	Yingmao LI	*	
DATE	15/09/2018	*	
RESIDENCE (CITY AND STATE)	Allen, Texas		

SIGNATURE OF INVENTOR	A skreen
PRINTED NAME OF INVENTOR	Appia VijayanBabu VIKRAM
DATE	9/25/2018
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SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Zhong ZiGUO
DATE	
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SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Lahlou Aziz TAREK
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RESIDENCE (CITY AND STATE)	Plano, Texas

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DATE	
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PRINTED NAME OF INVENTOR	Lahlou Aziz TAREK
DATE	September 17th, 295
RESIDENCE (CITY AND STATE)	Plano, Texas