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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
CHRISTOPHER DANIEL MANACK	11/05/2019
SALVATORE FRANK PAVONE	11/05/2019
MARICEL FABIA ESCAÑO	11/06/2019
RAFAEL JOSE LIZARES GUEVARA	11/06/2019

RECEIVING PARTY DATA

Name:	TEXAS INSTRUMENTS INCORPORATED	
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State/Country:	TEXAS	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16669070

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ATTORNEY DOCKET NUMBER:	TI-90296
NAME OF SUBMITTER:	COLLEEN F. BROWN
SIGNATURE:	/Colleen F. Brown/
DATE SIGNED:	11/07/2019
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Total Attachments: 2

PATENT REEL: 050950 FRAME: 0504 source=90296_ASSIGN#page1.tif source=90296_ASSIGN#page2.tif

> PATENT REEL: 050950 FRAME: 0505

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, little 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 therafrom, to the said TEXAS INSTRUMENTS INCORPORATED, as assignee of my entire right, little 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 assigned 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 hereinbelow.

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

TITLE	CONDUCTIVE MEMBERS FOR DIE ATTACH IN FLIP CHIP PACKAGES		
NONPROVISIONAL APPLICATION NO.	16/669,770	FILING DATE	October 30, 2019
SIGNATURE OF INVENTOR	Mah.h.		
PRINTED NAME OF INVENTOR	Christopher Daniel MANACK		
DATE	11/5/19		
RESIDENCE (CITY AND STATE)	Flower Mound, TX		

SIGNATURE OF INVENTOR	Suatay
PRINTED NAME OF INVENTOR	Salvatore Frank PAVONE
DATE	11/5/19
RESIDENCE (CITY AND STATE)	Murphy, TX
SIGNATURE OF INVENTOR	
PRINTED NAME OF INVENTOR	Máricel Fabia ESCAÑO
DATE	11/6/19
RESIDENCE (CITY AND COUNTRY)	Angeles City, Philippines
SIGNATURE OF INVENTOR	Refol Jon L. Krusson
PRINTED NAME OF INVENTOR	Rafael Jose Lizares GUEVARA
DATE	11 /6/19

After recording, return Assignment to:

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Texas instruments incorporated PO Box 655474, M/S 3999 Dallas, Texas 75265

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RECORDED: 11/07/2019

Page 2 of 2

Metro Manila, Philippines