

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5304082

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
OLIVER MABUTAS	12/27/2018
EKGACHAI KENGANANTANON	12/27/2018
TARAPONG SOONTORNVIPART	12/27/2018
PEERAPAT BUNKHEM	12/27/2018
WICHAI KOVITSOPHON	12/27/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MICROCHIP TECHNOLOGY INCORPORATED
<b>Street Address:</b>	2355 WEST CHANDLER BLVD.
<b>City:</b>	CHANDLER
<b>State/Country:</b>	ARIZONA
<b>Postal Code:</b>	85224
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16235761
Application Number:	62752777
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<b>Fax Number:</b>	(801)531-9168
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<b>ATTORNEY DOCKET NUMBER:</b>	3780-14530.1US & 14530US
<b>NAME OF SUBMITTER:</b>	JAMES C. WATSON
<b>SIGNATURE:</b>	/James C. Watson/
<b>DATE SIGNED:</b>	12/31/2018
<b>Total Attachments: 5</b>	

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**ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the below signed inventor of record, hereby assign to:

**MICROCHIP TECHNOLOGY INCORPORATED  
2355 WEST CHANDLER BLVD.  
CHANDLER, AZ 85224-6199**

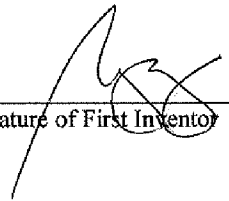
and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are the subject of an application for United States Provisional Patent Application Serial No. 62/752,777 and an application for United States Patent signed by me this day, entitled:

**"SEMICONDUCTOR DEVICE PACKAGES WITH ELECTRICAL ROUTING IMPROVEMENTS AND RELATED METHODS"**

this assignment including said application, any and all United States and foreign patents, utility models, design registrations, inventor's certificates and other similar rights granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name, or in its own name, for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for myself and my heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS THEREOF, I hereby set my hand, date of signature and place of signature as indicated below.

Full Name of First Inventor:	Oliver Mabutas
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\_\_\_\_\_  
Signature of First Inventor


DEC. 27, 2018  
\_\_\_\_\_  
Date of Signature

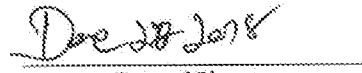
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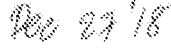
  
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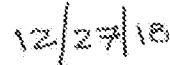
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Date of Signature

Full Name of Third Inventor: Wichai Kovitsophon  
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Signature of Third Inventor



Date of Signature