

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5640697

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MICHAEL B. VINCENT	07/29/2019
SCOTT M. HAYES	07/26/2019
ZHIWEI GONG	07/26/2019
STEPHEN RYAN HOOPER	07/26/2019
RECEIVING PARTY DATA	
Name:	NXP USA, INC.
Street Address:	6501 WILLIAM CANNON DRIVE
City:	AUSTIN
State/Country:	TEXAS
Postal Code:	78735
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16524596
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
Phone:	512-895-6979
Email:	ip.department.us@nxp.com
Correspondent Name:	NXP USA, INC. LAW DEPARTMENT
Address Line 1:	6501 WILLIAM CANNON DRIVE WEST TX30/OE62
Address Line 4:	AUSTIN, TEXAS 78735
ATTORNEY DOCKET NUMBER:	82145133US01
NAME OF SUBMITTER:	JONATHAN N. GELD
SIGNATURE:	/Jonathan N. Geld/
DATE SIGNED:	07/29/2019
Total Attachments: 3	
source=82145133US01_Assignment#page1.tif	
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source=82145133US01_Assignment#page3.tif	

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we, as below-named Assignor/s, hereby sell, assign, and transfer the entire and exclusive right, title, and interest in the following to **NXP USA, INC.**, having a place of business at 6501 William Cannon Drive, Austin, TX 78735, USA, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee"):

(1) our invention relating to "**METHOD, SYSTEM, AND APPARATUS FOR FORMING THREE-DIMENSIONAL SEMICONDUCTOR DEVICE PACKAGE WITH WAVEGUIDE**" for which the following patent application(s) has/have been filed (we hereby authorize and request my/our attorneys associated with U.S. Patent & Trademark Office Customer Number 23125 to insert below the filing date and application number of the U.S. application when known):

<u>Country</u>	<u>Application No.</u>	<u>Filing Date (mm/dd/yyyy)</u>	<u>Claims Priority of</u>
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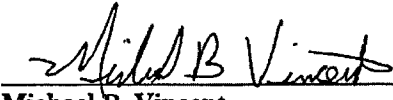
(2) the foregoing application(s) and all other United States, foreign and international patent applications associated therewith, based thereon, or claiming priority there from including, but not limited to, any and all provisionals, non-provisionals, divisions, continuations, continuations-in-part, re-examinations, reissues, and extensions thereof, and

(3) the right to claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these applications.

We authorize and request that the Patent Office officials in the United States and in any and all foreign countries to issue any and all Letters Patent when granted, solely to **NXP USA, INC.**, for its sole use, and that of its successors, assigns, and legal representatives.

We will provide our cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, we agree to execute all papers, take all rightful oaths, testify in all legal proceedings including patent prosecutorial actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee.

We certify that we have the full right to convey the above rights.

<u>July 29, 2019</u> Date	<u></u> _____, Assignor Michael B. Vincent
_____ Date	_____, Assignor Scott M. Hayes
_____ Date	_____, Assignor Zhiwei Gong
_____ Date	_____, Assignor Stephen Ryan Hooper

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_____, Assignor
Date Michael B. Vincent

26 July 2019 _____, Assignor
Date Scott M. Hayes

_____, Assignor
Date Zhiwei Gong

_____, Assignor
Date Stephen Ryan Hooper

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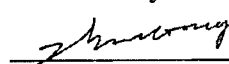
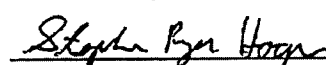
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We certify that we have the full right to convey the above rights.

_____	_____, Assignor
Date	Michael B. Vincent
_____	_____, Assignor
Date	Scott M. Hayes
July 26, 2019	 _____, Assignor
Date	Zhiwei Gong
July 26, 2019	 _____, Assignor
Date	Stephen Ryan Hooper