# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
KARTHIKEYAN DHANDAPANI	04/29/2013
AHMER SYED	12/01/2016
SUNDEEP NAND NANGALIA	05/03/2013

# **RECEIVING PARTY DATA**

Name:	AMKOR TECHNOLOGY, INC.
Street Address:	2045 E. INNOVATION CIRCLE
City:	TEMPE
State/Country:	ARIZONA
Postal Code:	85284

# **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	13903468

# **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	26183US01
NAME OF SUBMITTER:	JAE-HU KIM
SIGNATURE:	/Jae-Hu Kim/
DATE SIGNED:	12/05/2016

#### **Total Attachments: 4**

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PATENT REEL: 040516 FRAME: 0064

#### ASSIGNMENT

File No.: 26183US01 Serial No.: 13/903,468

Inventors: Karthikeyan Dhandapani Filing Date: May 28, 2013

Ahmer Syed

Sundeep Nand Nangalia

For good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, each of the undersigned hereby assigns to Amkor Technology, Inc., incorporated under the laws of the state of Delaware, its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled "A ROBUST PILLAR STRUCTURE FOR SEMICONDCUTOR DEVICE CONTACTS" and identified as File No. 26183US01 in the offices of McANDREWS, HELD & MALLOY, LTD., and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any continuation, continuation-in-part, divisional, re-examination, reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

Each of the undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known.

Each of the undersigned warrants himself/herself to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrants that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations, each of the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all continuation, continuation-in-part, divisional, re-examination, extension, and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue, re-examination, or extension of any Letters Patent that may be granted upon said application, and any and all applications and other document for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations each of the undersigned authorizes said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agrees, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such

applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence and performing any and all other acts necessary to obtain or enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made. This obligation to cooperate exits both during and after the undersigned's employment.

In the event the assignee is unable to secure the undersigned's signature on any document required by the assignee under this agreement or any document necessary to apply for, establish, prosecute, obtain, or enforce any patent, copyright, or other right or protection relating to said inventions or improvements, whether due to mental or physical incapacity or other cause, the undersigned hereby irrevocably designates and appoints the assignee and each of its duly authorized officers and agents as his or her agent and attorney-in-fact, to act for and in his or her behalf and stead to execute and file any documents and to do all other lawfully permitted acts to further prosecution, issuance, and enforcement of patents, copyrights, or other rights or protections relating to said inventions or improvements with the same force and effect as if executed and delivered by the undersigned.

Executed this _	29	day of	<u>April</u>	, 2013.	
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		_	(III). C	Market Comments	
		Ŧ.	Carthikeyan Dhandapa	ni	

State of Arizona County of Maricopa

On 29 And 20/2 before me Jackie R. Porter personally appeared Karthikeyan Dhandapani personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

ACYGEROPTES NORWEST OF COUNTY NORWEST OF COUNTY NORWEST OF COUNTY

logary public

Executed this	S day of _	DECEMBER, 2016
		Ahmer Syed
State of A <del>rizona Celif</del> County of <del>Maricopa</del> 5 4 4	ples	
On Dreember 1	2016 before	me Lorraine Gabryels K; notary public. Laza Syed - personally known to
personally appeared	4 h mer R	azasyed - personally known to
me or proved to me on t	he basis of satisf	factory evidence to be the person(s) whose name(s)
is(are) subscribed to the w	ithin instrument a	nd acknowledged to me that he/she/they executed the
same in his/her/their aut	horized capacity(	ies), and that by his/her/their signature(s) on the
instrument the person(s),	or the entity upo	n behalf of which the person(s) acted, executed the
instrument.		
		WITNESS my hand and official seal.
		Source Galoydsh. Notary public
		1.000 Annie Grannes Salines Sa

Executed this3 d	day of <u>Ma</u>	7	, 2013.		
	Sunde	nder Van eep Nand Nangalia	d Nougalia		
State of Arizona Work Caroling County of Marieopa Wake					
On 5/3/2013	before me	Christopher D.	Erickson		
On $\frac{5/3}{2e13}$ personally appeared $\frac{5\sqrt{deep}}{2}$	Nangalia	•	personally known to		
me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s)					
is(are) subscribed to the within ins	trument and ack	nowledged to me th	at he/she/they executed the		
same in his/her/their authorized	capacity(ies), a	and that by his/her	their signature(s) on the		
instrument the person(s), or the e	entity upon beha	alf of which the per	rson(s) acted, executed the		
instrument.					
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Pagilo Continui No		(lysf ). Notary public C	Situpher D. Erickson res 11/07/2017		
Mance Court		Commission Expli	res 11/07/2017		