505797711 12/02/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5844540

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
CHRISTOF LANDESBERGER	07/29/2019	
INDRANIL BOSE	07/31/2019	

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16179936	

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ATTORNEY DOCKET NUMBER:	251918-1450
NAME OF SUBMITTER:	DANIEL R. MCCLURE
SIGNATURE:	/Daniel R. McClure/
DATE SIGNED:	12/02/2019

Total Attachments: 3

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PATENT 505797711 REEL: 051148 FRAME: 0347

EMFT - 2017P60039 US FH181101PUS

Docket No. 251918-1450 Page 1 of 3 (Patent Assignment)

ASSIGNMENT OF UTILITY PATENT APPLICATION

WHEREAS, the following parties:

Name	Address		
Christof LANDESBERGER	Am Wasserbogen 82 82166 Gräfelfing DE		
Indranil BOSE	Kreittmayrstraße 2 80335 München DE		

hereinafter referred to as ASSIGNOR, bas/have invented certain new and useful improvements ("invention(s)") as described and set forth in the below-identified utility application for United States Letters Patent entitled:

METHOD FOR MANUFACTURING PLANAR THIN PACKAGES FOR SEMICONDUCTOR DEVICES AND PLANAR THIN PACKAGES

which was:		
	executed on even date herewith,	
\boxtimes	filed with the United States Patent and Trademark Office (U	ISPTO) on November
	3, 2018, and assigned Serial No. 16/179,936, and	
	further described in U.S. Provisional application entitled	, filed with the
	USPTO on and assigned Serial No	

Note: Only one of the first two checkboxes will be checked. The third checkbox will be checked, only if appropriate.

WHEREAS, Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V., having a place of business at Hansastraße 27c, 80686 München, Germany, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in and to said invention(s), said utility application, said provisional application, and any U.S. and foreign patents which are related to the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR, ASSIGNOR has sold, assigned and transferred and does hereby sell, assign and transfer unto ASSIGNEE, and ASSIGNEE'S successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said invention(s), said utility

PATENT REEL: 051148 FRAME: 0348

EMPT - 2017P60039 US FH181161PUS

Docket No. 251918-1450 Page 2 of 3 (Patent Assignment)

application, and said Provisional application and all the rights and privileges in any application and under any and all patents that may be granted in the U.S. for said inventions, including all corresponding provisional, continuation, continuation-in-part, divisional, reissue, and reexamination applications; and (b) the entire right, title and interest in and to said invention(s), said utility application, and said provisional application for all countries foreign to the U.S., including all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

ASSIGNOR authorizes ASSIGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said Inventions, without further authorization from ASSIGNOR, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said Inventions, said utility application, or said provisional application and to claim the aforesaid benefit of the right of priority.

ASSIGNOR requests that any and all patents for said inventions be issued to ASSIGNEE in the U.S. and to ASSIGNEE in all countries foreign to the U.S., or to such nominee as ASSIGNEE may designate.

ASSIGNOR covenants and agrees that, when requested, ASSIGNOR shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNOR authorizes ASSIGNEE or its agents to insert, on ASSIGNOR's behalf, the filing date and/or serial number above pertaining to the utility application and/or the provisional application, if not known as of the date of execution of this document.

PATENT REEL: 051148 FRAME: 0349

EMFT - 2017P60039 US FH181101PUS

Docket No. 251918-1450 Page 3 of 3 (Patent Assignment)

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Date: <u>July 29, 2019</u>

Date: <u>7/25/2019</u>

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Indranii BOSE

S-Waguer Witness D. Eslles osten

Witness

Date: July 31, 2019

July . 31. 2019

RECORDED: 12/02/2019

PATENT REEL: 051148 FRAME: 0350