11/15/2019 505777102

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YONG HAN	08/21/2019
BOON LONG LAU	08/21/2019
DANIEL MINWO RHEE	11/01/2019

RECEIVING PARTY DATA

Name:	AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH
Street Address:	1 FUSIONOPOLIS WAY
Internal Address:	#20-10 CONNEXIS NORTH TOWER
City:	SINGAPORE
State/Country:	SINGAPORE
Postal Code:	138632

PROPERTY NUMBERS Total: 1

Property Type	Number				
Application Number:	16470961				

CORRESPONDENCE DATA

Fax Number: (512)370-2850

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.

Phone: 512-370-2832

Email: rvoigt@winstead.com

Correspondent Name: WINSTEAD PC P.O. BOX 131851 Address Line 1:

Address Line 4: DALLAS, TEXAS 75313-1851

ATTORNEY DOCKET NUMBER:	40940-P145WOUS
NAME OF SUBMITTER:	ROBERT A. VOIGT, JR.
SIGNATURE:	/Robert A. Voigt, Jr./
DATE SIGNED:	11/15/2019

Total Attachments: 3

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PATENT REEL: 051025 FRAME: 0282 505777102

ASSIGNMENT

WHEREAS, the undersigned inventor(s), hereinafter called the "Assignor," has invented a new and useful invention entitled:

HEAT SINKS AND METHODS FOR FABRICATING A HEAT SINK

 for which	reference	a full	description	is i	iere	made	m.	an	application	for	Letters	Patent	of
the United	I States file	ed her	ewith.										

X for which reference a full description is here made in an application for Letters Patent of the United States corresponding to U.S. Serial No. 16/470,961, which is a 35 U.S.C. §371 application of International Application No. PCT/SG2017/050626 filed on December 19, 2017.

WHEREAS, Agency for Science, Technology and Research, having a principal office and place of business at 1 Fusionopolis Way, #20-10 Connexis North Tower, Singapore 138632, hereinafter called the "Assignee," is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under Letters Patent which may be obtained for said invention, as hereinafter more fully set forth;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for valuable and legally sufficient consideration, the receipt of which by the Assignor from the Assignee is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in and to the invention and the application herein above identified, and all Letters Patents that may issue for the said invention, and all divisions, reissues, substitutions, continuations, and extensions thereof, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns to the full end of the term for which any and all of said Letters Patents for the said invention may issue.

FURTHER, be it known that the Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer unto the Assignee, its successors and assigns, the entire foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

And the Assignor does hereby covenant and agree, for himself and his legal representatives, that they will assist the Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the Assignee may elect to make covering the invention herein identified, as herein before set forth, including any application for reissue, application for reexamination, application for foreign patent rights, or any proceeding in the United States Patent and Trademark Office affecting the

invention, investing in the Assignee exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patents herein contemplated; that they will promptly execute and deliver to the Assignee any and all additional papers and make all lawful oaths which may be requested by the Assignee to fully carry out the terms of this assignment; and further that they will communicate to Assignee, or to its successors, assigns, and legal representatives, any facts known respecting said invention, and at the expense of the Assignee, testify in any legal proceedings, and generally do everything possible to aid the Assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all Letters Patent to the Assignee in accordance with the terms of the assignment.

IN TESTIMONY WHEREOF, the Assignor has hereunto set his hands on the date indicated below.

	YONG HAN	
Date: 21/8/2019		····
Date:21 & 2019	BOON LONG LAU	
	DANIEL MINWO RHEE	
Date:		

ATTORNEY DEYCKET NO. 40940-P145WOLES

invention, investing in the Assignee exclusive title in and to all such other applications and Leiters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patents herein contemplated; that they will promptly execute and deliver to the Assignee any and all additional papers and make all lawful oaths which may be requested by the Assignee to fully carry out the terms of this assignment; and further that they will communicate to Assignee, or to its successors, assigns, and legal representatives, any facts known respecting said invention, and at the expense of the Assignee, testify in any legal proceedings, and generally do everything possible to aid the Assignee, its successors, assigns and numinees to obtain and enforce proper patent protection for said invention in all countries.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all Letters Patent to the Assignee in accordance with the terms of the assignment.

IN TESTIMONY WHEREOF, the Assignor has hereunto set his hands on the date indicated below.

	YONG HAN
Date:	····
	BOON LONG LAU
Date:	· · · · · · · · · · · · · · · · · · ·
	DANIEL MINWO RHEE
Date: 0/ . Nov . 2019	- mulo/