

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	MIKAEL TUOMINEN	01/14/2021
	SEOK KIM TAY	01/14/2021
	SALLY SUN	01/14/2021
	ROBIN ZHANG	01/15/2021
RECEIVING PARTY DATA		
Name:	AT&S AUSTRIA TECHNOLOGIE & SYSTEMTECHNIK AKTIENGESELLSCHAFT	
Street Address:	FABRIKSGASSE 13	
City:	LEOBEN	
State/Country:	AUSTRIA	
Postal Code:	8700	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	17028618
CORRESPONDENCE DATA		
Fax Number:	(770)804-0900	
<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:	7707090080	
Email:	rblaha@srtslaw.com	
Correspondent Name:	SMITH TEMPEL BLAHA LLC DOCKETING DEPARTM	
Address Line 1:	50 GLENLAKE PARKWAY, SUITE 340	
Address Line 4:	ATLANTA, GEORGIA 30328	
ATTORNEY DOCKET NUMBER:	04017.0299U1 (A 5229 US)	
NAME OF SUBMITTER:	ROBERT A. BLAHA	
SIGNATURE:	/Robert A. Blaha/	
DATE SIGNED:	01/23/2021	
Total Attachments: 6		
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PATENT

REEL: 055090 FRAME: 0278

**ASSIGNMENT
OF UTILITY PATENT APPLICATION**

WHEREAS, the following individuals:

<u>Name</u>	<u>Address</u>
Mikael Tuominen	Savikallmantie 139, 25500, Pori, Finland
Seck Kim Tay	28, Jalan Lempang 13-06, 122807, Singapore, Singapore
Sally Sun	Room 402, No. 15, Lane 310 Bishu Road, Rongjiang District, Shanghai, China
Robin Zhang	No. 35 North Bridge Road, PuKou District, Nanjing, China

hereinafter referred to as ASSIGNOR, have invented certain new and useful improvements ("inventions") as described and set forth in the below-identified utility application for United States Patent titled:

**COMPONENT CARRIER WITH THROUGH HOLE EXTENDING THROUGH
MULTIPLE DIELECTRIC LAYERS**

which was:

- ☐ executed on even date herewith,
☒ filed with the United States Patent and Trademark Office (USPTO) on September 23, 2020 and assigned Serial No. 17/028,618, 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, AT&S Austria Technologie & Systemtechnik Aktiengesellschaft having a place of business at Fabrikgasse 13, 8700, Leoben, Austria hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in and to said invention(s), said utility application, and any U.S. and foreign patents which are related to the same.

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 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.


Mikael Tuominen

On this 19 day of JAN, 2021, before me personally came
Mikael Tuominen who executed the foregoing instrument in my presence.

Witness signature: Dora Zhang 张

Witness' name (print): _____

Witness signature: Addams Wu

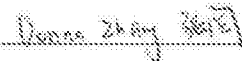
Witness' name (print): _____



Seok Kim Tay

On this 14th day of Jan., 2021, before me personally came
Seok Kim Tay who executed the foregoing instrument in my presence.

Witness signature: _____



Witness' name (print): _____

Witness signature: _____



Witness' name (print): _____

Sally Sun - Zhi Feng
Sally Sun

On this 14 day of Jan, 2021, before me personally came
Sally Sun who executed the foregoing instrument in my presence.

Witness signature: Doran Zhang

Witness' name (print): _____

Witness signature: [Signature]

Witness' name (print): _____

Adrian Wu

Robin Zhang 张超
Robin Zhang

On this 15th day of Jan., 2020, before me personally came
Robin Zhang who executed the foregoing instrument in my presence.

Witness signature: Donna Zhang 张超

Witness' name (print): _____

Witness signature: Adams Wu

Witness' name (print): _____