505190109 11/14/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT5236878 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARCO WICHERS	11/07/2018
JOERN SMIDT	11/08/2018
PETER ARNOLD	10/31/2018

RECEIVING PARTY DATA

Name:	BROSE FAHRZEUGTEILE GMBH & CO. KOMMANDITGESELLSCHAFT, WUERZBURG
Street Address:	OHMSTRASSE 2A
City:	WUERZBURG
State/Country:	GERMANY
Postal Code:	97076

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	16190414		

CORRESPONDENCE DATA

Fax Number: (248)358-3351

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: 248-358-4400

Email: mkatirtzidakis@brookskushman.com

Correspondent Name: BROOKS KUSHMAN P.C. **Address Line 1:** 1000 TOWN CENTER

Address Line 2: 22ND FLOOR

Address Line 4: SOUTHFIELD, MICHIGAN 48075

ATTORNEY DOCKET NUMBER:	BROMN0101PUSA
NAME OF SUBMITTER:	COREY J. NEIL
SIGNATURE:	/COREY J. NEIL/
DATE SIGNED:	11/14/2018

Total Attachments: 3

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PATENT 505190109 REEL: 047498 FRAME: 0144

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PATENT REEL: 047498 FRAME: 0145

Attorney Docket Number	BROMN 0101 PUSA
	BRB136US

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Title of Invention		COOLING FAN MODULE		
	:			
As a below named	inventor, I her	by declare that:		
This declaration is	directed tox			
	The attached ap	oplication, or		
	16/190,414	pplication or PCT international application number filed on Nov. 14, 2018 application filing date and number when they become known.)		
The above-identific	ed application	was made or authorized to be made by me.		
I believe that I am	the original inv	ventor or an original joint inventor of a claimed invention in the application.		
I hereby state that I	have reviewed	d and understand the contents of the above-identified specification, including the claims.		
I am aware of the cas defined in 37 C.		e to the U.S. Patent and Trademark Office all information known to me to be material to patentability		
over to Boose Fahr the state or country the ASSIGNEE, its the inventions and legal representative in its or their own to successors, assigns	renetable Combor of Germany, as successors, as discoveries in the stomake application or other legal of countries, in	and valuable consideration, receipt of which is hereby acknowledged, I do hereby assign, sell and set all & Co. Kommanditesectischaft. Würzburg, a corporation organized and existing under the laws of and having a place of business at Ohinstrasse 2a. Würzburg. Germany 97076, hereinafter referred to assigns or other legal representatives, my entire right, title and interest, domestic and foreign, in and to the above-identified application including the right of said ASSIGNEE, its successors, assigns or other leations and to receive Letters Patent for said inventions and discoveries in any and all foreign countries i, or in my name, at its or their election, and I hereby assign, sell and set over to said ASSIGNEE, its representatives, all rights of priority, including any provisional applications, in and to said inventions acluding all applications claiming benefit of the filling date hereof, continuations, continuations-in-part, eissue applications.		
applications for Let	ters Patent of a	my heirs, successors, assigns or other legal representatives to execute any and all papers, including any and all kinds and in any and all countries and to perform any and all acts which said ASSIGNEE, gal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over.		
And I hereby repres	sent and warra	nt that I have not gramed any rights inconsistent with the rights granted herein.		
		willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or we (5) years or both.		
LEGAL NAME OF	INVENTOR			
Inventor: <u>Ma</u>	rco WICHERS	Date: Ol.41.2019		
Signature:	na Wilne			
Note: An Armlication	n Daia Sheet (P'i	PO/SB/14 or emigatent), including naming the entire inventive entity, must accommon this form.		

PATENT REEL: 047498 FRAME: 0146

Attorney Docket Number	BROMN 0101 PUSA
	BRB136US

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Title of Invention	COOLING FAN MODULE		
As a below named inventor, I here	eby declare that:		
This declaration is directed to:			
The attached ap	oplication, or		
X United States at 16/190,414 insertion of the	pplication or PCT international application number filed on Nov. 14, 2018 application filing date and number when they become known.)		
The above-identified application v	was made or authorized to be made by me.		
I believe that I am the original inv	entor or an original joint inventor of a claimed invention in the application.		
I hereby state that I have reviewed	and understand the contents of the above-identified specification, including the claims.		
I am aware of the duty to disclose as defined in 37 C.F.R. § 1.56.	to the U.S. Patent and Trademark Office all information known to me to be material to patentability		
over to <u>Bross Fahrzeugseile Gmbl</u> the state or country of <u>Germany</u> , as the ASSIGNEE, its successors, as the inventions and discoveries in the legal representatives to make applie in its or their own name or names, successors, assigns or other legal re-	Individuable consideration, receipt of which is hereby acknowledged, I do hereby assign, sell and set H&Co. Kommanditaesellschaft. Würzburg, a corporation organized and existing under the laws of and having a place of business at Ohmstrasse 2s. Würzburg, Germany 97076, hereinafter referred to as signs or other legal representatives, my entire right, title and interest, domestic and foreign, in and to be above-identified application including the right of said ASSIGNEE, its successors, assigns or other cations and to receive Letters Patent for said inventions and discoveries in any and all foreign countries, or in my name, at its or their election, and I hereby assign, sell and set over to said ASSIGNEE, its representatives, all rights of priority, including any provisional applications, in and to said inventions cluding all applications claiming benefit of the filing date hereof, continuations, continuations-in-part, issue applications.		
And I hereby agree for myself, my heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over.			
And I hereby represent and warran	t that I have not granted any rights inconsistent with the rights granted herein.		
I hereby acknowledge that any vimprisonment of not more than five	willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or e (5) years or both.		
LEGAL NAME OF INVENTOR			
Inventor: Joseph SMIDT	Date: <u>Q. 11. 18</u>		
Signature:			
Note: An Application Data Sheet (PT)	O/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form.		

PATENT REEL: 047498 FRAME: 0147

Attorney Docket Number	BROMN 0101 PUSA
	BRB136US

ASSIGNMENT AND DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76)

Title of Invent	ion	COOLING FAN MODUI	X.	
As a below name	d inventor, I here	by declare that:	······································	
This declaration	is directed to:			
	The attached ap	plication, or		
\square	16/190,414	oplication or PCT international	ov. 14, 2018	(I hereby authorize the
	insertion of the	application filing date and num	ber when they become kr	wwn.)
The above-identi	fied application v	vas made or authorized to be m	ade by me.	
I believe that I ar	n the original inv	entor or an original joint invent	or of a claimed invention	in the application.
I hereby state tha	t I have reviewed	and understand the contents of	the above-identified spe	cification, including the claims.
I am aware of the as defined in 37		to the U.S. Patent and Tradem	ark Office all information	n known to me to be material to patentability
over to Biggs Fa the state or count the ASSIGNEE, the inventions an legal representati in its or their ow successors, assig and discoveries i	hozouetaile Gooblery of Georgessors, as its successors, as it discoveries in the vesto make application name or names on or other legal on all countries, incomes, in	H & Co. Kommanditaesellscha nd having a place of husiness a signs or other legal representat ne above-identified application cations and to receive Letters Po , or in my name, at its or their representatives, all rights of pri	if Wirzburg, a corporate Ohnistrasse 2a. Wirzburd ves, my entire right, title including the right of sailatent for said inventions a election, and I hereby assority, including any prov	knowledged, I do hereby assign, sell and se ion organized and existing under the laws o rg. Germany 97076, hereinafter referred to a rand interest, domestic and foreign, in and to d ASSIGNEE, its successors, assigns or othe nd discoveries in any and all foreign countrie sign, sell and set over to said ASSIGNEE, it isional applications, in and to said inventions e hereof, continuations, continuations-in-part
applications for l	letters Patent of a	my and all kinds and in any and	I all constries and to perf	ves to execute any and all papers, including form any and all acts which said ASSIGNEE the rights herein assigned, sold and set over
And I hereby rep	resent and warrar	if that I have not granted any rig	ghts inconsistent with the	rights granted herein.
		willful false statement made : e (5) years or both.	in this declaration is pu	mishable under 18 U.S.C. 1001 by fine a
LEGAL NAME	OFINVENTOR			
Inventor <u>i</u>	eus ARNOLD		Date:	2018/10/31
Signature 🚄	445 (220/		
Note: An Applica	tion Data Sheet (PT	O/SB/14 or equivalent), including	naming the entire inventive	entity, must accompany this form.

PATENT REEL: 047498 FRAME: 0148

RECORDED: 11/14/2018