505952759 03/05/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANDREAS HARTUNG	12/17/2019
MARTIN PERNLEITNER	01/07/2020

RECEIVING PARTY DATA

Name:	MTU AERO ENGINES AG	
Street Address:	DACHAUER STRASSE 665	
City:	MUNICH	
State/Country:	GERMANY	
Postal Code:	80995	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16709515

CORRESPONDENCE DATA

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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.

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ATTORNEY DOCKET NUMBER:	M078 P03596-US
NAME OF SUBMITTER:	DAVID R. JOSEPHS
SIGNATURE:	/david r. josephs/
DATE SIGNED: 03/05/2020	
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

source=M078_P03596-US_P809287-US-1_assig_decl_EXECUTED_L#page1.tif source=M078_P03596-US_P809287-US-1_assig_decl_EXECUTED_L#page2.tif

PATENT REEL: 052030 FRAME: 0919 505952759

Attorney Docket No. M078 P03596-US (U.S. Rights)

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63 (For Use with Signed Application Data Sheet)

Title of Inventi	on: BLA	DE ARRANGEME	NT FOR A TURBOMAG	CHINE
This assignmen	t and declarati	on are directed to (c	check one):	
the appli	hed applicatio ication identifi States Applicat	ed by the attorney d	locket no. and title of inve ional Application No. <u>16</u> ,	ention given above; 709,515, filed <u>December 10, 2019</u> .
		-	SSIGNMENT	
For good and ventor	aluable consid I have sold ar	eration, the receipt and assigned, and by	and sufficiency of which a these presents hereby sell	are hereby acknowledged, as a below- and assign, unto:
Name of Assi Address of As		J Aero Engines A nauer Strasse 665	.G , 80995 Munich, Gern	nany
and to the above continuations the application or for said ASSIGNER	e-identified in hereof, and in a for said invention E, its successor	vention and United 3 and to any and all Le on, including any ar rs, or assigns to the	States patent application, etters Patent of the United and all reissues or extension full end of the term or ter	es, its territories, and possessions in including any and all divisions or I States that may issue on any such as thereof, to be held and enjoyed by ms for which any and all such Letters alloyed by me had this Assignment not
I hereby authori Letters Patent to	ize and request said ASSIGN	the Director of the IEE, its successors,	U.S. Patent and Tradema or assigns in accordance	rk Office to issue any and all such herewith.
I warrant and coassigned and the	ovenant that I lat I have not ex	nave the full and une recuted and will not	encumbered right to sell a execute any document o	and assign the interests herein sold and rinstrument in conflict herewith.
assigns all infor deliver any pape deemed necessa to said invention Patent that may successors, or a	mation known ers, make all ri ry or desirable n, to said appli be granted the ssigns, or to as	to me relating to sa ghtful oaths, testify by said ASSIGNE cation including div refor or thereon, inc sist said ASSIGNE	tid invention or patent app in any legal proceedings, E, its successors, legal reprisions and continuations cluding reissues or extens	is successors, legal representatives, or oblication and that I will execute and and perform all other lawful acts oresentatives, or assigns to perfect title thereof and to any and all Letters ions, in said ASSIGNEE, its oresentatives, or assigns in obtaining, 1.
		<u>DE</u>	<u>CLARATION</u>	
As a below-nam	ned inventor, I	hereby declare that:	;	
The above-ident	tified applicati	on was made or auti	horized to be made by me	2.
I believe that I a	ım the original	inventor or an origi	inal joint inventor of a cla	imed invention in the application.
I hereby acknow § 1001 by fine of	vledge that any or imprisonmen	willful false statem at of not more than	nent made in this declarate five (5) years, or both.	ion is punishable under 18 U.S.C.
Signature: Inventor:	Andreas HAR	Andreas ETUNG	Hastay	

PATENT REEL: 052030 FRAME: 0920 Attorney Docket No. M078 P03596-US (U.S. Rights)

RECORDED: 03/05/2020

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63 (For Use with Signed Application Data Sheet)

Title of Invention	on: BLADE ARRANGEMENT FOR A TURBOMACHINE	
This assignmen	t and declaration are directed to (check one):	
the attaci the appli United S	ned application; cation identified by the attorney docket no. and title of invention given above; tates Application or PCT International Application No. 16/709,515, filed December 10, 2019.	
	<u>ASSIGNMENT</u>	
For good and va named inventor	luable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below-I have sold and assigned, and by these presents hereby sell and assign, unto:	
Name of Assig Address of As	nee: MTU Aero Engines AG signee: Dachauer Strasse 665, 80995 Munich, Germany	
and to the above continuations th application or fo said ASSIGNEE	SIGNEE) all my right, title, and interest for the United States, its territories, and possessions in indentified invention and United States patent application, including any and all divisions or ereof, and in and to any and all Letters Patent of the United States that may issue on any such or said invention, including any and all reissues or extensions thereof, to be held and enjoyed by its successors, or assigns to the full end of the term or terms for which any and all such Letters ranted as fully and entirely as would have been held and enjoyed by me had this Assignment not	
I hereby authorize Letters Patent to	ze and request the Director of the U.S. Patent and Trademark Office to issue any and all such said ASSIGNEE, its successors, or assigns in accordance herewith.	
I warrant and co assigned and tha	venant that I have the full and unencumbered right to sell and assign the interests herein sold and t I have not executed and will not execute any document or instrument in conflict herewith.	
I further covenant and agree that I will communicate to said ASSIGNEE, its successors, legal representatives, or assigns all information known to me relating to said invention or patent application and that I will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings, and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives, or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent that may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns, or to assist said ASSIGNEE, its successors, legal representatives, or assigns in obtaining, reissuing, or enforcing Letters Patent of the United States for said invention.		
	DECLARATION	
As a below-name	ed inventor, I hereby declare that:	
The above-identi	fied application was made or authorized to be made by me.	
I believe that I as	n the original inventor or an original joint inventor of a claimed invention in the application.	
I hereby acknow § 1001 by fine or	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. imprisonment of not more than five (5) years, or both.	
Signature: Inventor:	Martin PERNLEITNER DATE	

PATENT REEL: 052030 FRAME: 0921