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PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3605772

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANDREAS HARTUNG	10/20/2015
MANFRED SCHILL	10/22/2015
GERHARD-HEINZ ROESELE	10/23/2015

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:	14934970

CORRESPONDENCE DATA

Fax Number: (401)273-4447

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: 401-273-4446 Email: drj@barjos.com

BARLOW, JOSEPHS & HOLMES, LTD. **Correspondent Name:**

Address Line 1: 101 DYER STREET

Address Line 2: 5TH FLOOR

Address Line 4: PROVIDENCE, RHODE ISLAND 02903

ATTORNEY DOCKET NUMBER:	M078 P03075-US	
NAME OF SUBMITTER:	DAVID R. JOSEPHS	
SIGNATURE:	/david r. josephs/	
DATE SIGNED:	11/06/2015	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 3

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Attorney Docket No. M078 P03075-US (U.S. Rights)

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63

(For Use with Signed Application Data Sheet)

Title of Invention: BLADE OR VAN	E ARRANGEMENT FOR A TURBOMA	CHINE
	e attorney docket no. and title of invention	
US Application or PCT Interna	tional Application No.	filed
	ASSIGNMENT	
	the receipt and sufficiency of which are he ed, and by these presents hereby sell and a	
Name of Assignee: MTU Aero	Engines AG	
Address of Assignee: Dachauer S	trasse 665, 80995 Munich, Germany	
and to the above-identified invention a continuations thereof, and in and to an application or for said invention, inclu said ASSIGNEE, its successors, or ass	title, and interest for the United States, its and United States patent application, incluy and all Letters Patent of the United State ding any and all reissues or extensions the signs to the full end of the term or terms for irely as would have been held and enjoyed	ding any and all divisions or es that may issue on any such creof, to be held and enjoyed by or which any and all such Letters
	ector of the U.S. Patent and Trademark Of successors, or assigns in accordance herev	
	full and unencumbered right to sell and as and will not execute any document or instru	
assigns all information known to me redeliver any papers, make all rightful or deemed necessary or desirable by said to said invention, to said application in Patent that may be granted therefor or	communicate to said ASSIGNEE, its succelating to said invention or patent applicat aths, testify in any legal proceedings, and ASSIGNEE, its successors, legal represent acluding divisions and continuations there thereon, including reissues or extensions, ASSIGNEE, its successors, legal represent the United States for said invention.	ion and that I will execute and perform all other lawful acts ntatives, or assigns to perfect title of and to any and all Letters in said ASSIGNEE, its
	DECLARATION	
As a below-named inventor, I hereby	declare that:	
The above-identified application was r	made or authorized to be made by me.	
I believe that I am the original invento	r or an original joint inventor of a claimed	l invention in the application.
I hereby acknowledge that any willful § 1001 by fine or imprisonment of not	false statement made in this declaration is more than five (5) years, or both.	s punishable under 18 U.S.C.
Signature:	holseas Hasting	20.10. 2015
Inventor: Dr. Andreas Hartung	V /	DATE

Attorney Docket No. M078 P03075-US (U.S. Rights)

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63

(For Use with Signed Application Data Sheet)

Title of Invention: BLADE OR VANE ARRANGEMENT FOR A TURBOMACHINE		
This assignment and declaration are directed to (check one): the attached application; the application identified by the attorney docket no. and title of invention give		
US Application or PCT International Application Nofiled		
ASSIGNMENT		
For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below-named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:		
Name of Assignee: MTU Aero Engines AG		
Address of Assignee: Dachauer Strasse 665, 80995 Munich, Germany		
(hereinafter ASSIGNEE) all my right, title, and interest for the United States, its term and to the above-identified invention and United States patent application, including continuations thereof, and in and to any and all Letters Patent of the United States the application or for said invention, including any and all reissues or extensions thereof said ASSIGNEE, its successors, or assigns to the full end of the term or terms for whe Patent may be granted as fully and entirely as would have been held and enjoyed by been made.	any and all divisions or at may issue on any such to be held and enjoyed by sich any and all such Letters	
I hereby authorize and request the Director of the U.S. Patent and Trademark Office Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.	to issue any and all such	
I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that 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 successor assigns all information known to me relating to said invention or patent application a deliver any papers, make all rightful oaths, testify in any legal proceedings, and perfedeemed necessary or desirable by said ASSIGNEE, its successors, legal representative to said invention, to said application including divisions and continuations thereof are Patent that may be granted therefor or thereon, including reissues or extensions, in successors, or assigns, or to assist said ASSIGNEE, its successors, legal representative reissuing, or enforcing Letters Patent of the United States for said invention.	and that I will execute and form all other lawful acts wes, or assigns to perfect title and to any and all Letters and ASSIGNEE, its	
DECLARATION		
As a below-named inventor, I hereby declare that:		
The above-identified application was made or authorized to be made by me.		
I believe that I am the original inventor or an original joint inventor of a claimed inventor	ention in the application.	
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.		
Signature: Signature: Manfred Schill	22 10 2015 DATE	
Inventor: Manfred Schill	DAIE	

Attorney Docket No. M078 P03075-US (U.S. Rights)

RECORDED: 11/06/2015

ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63

(For Use with Signed Application Data Sheet)

Title of Invention: BLADE OR VANE ARRANGEMENT FOR A TURBOMACHINE

This assignment and declaration are directed to (check one): the attached application; the application identified by the attorney docket no. and title of invention given above; US Application or PCT International Application No		
ASSIGNMENT		
For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below-named inventor I have sold and assigned, and by these presents hereby sell and assign, unto:		
Name of Assignee: MTU Aero Engines AG		
Address of Assignee: Dachauer Strasse 665, 80995 Munich, Germany		
(hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States that may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.		
I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors, or assigns in accordance herewith.		
I warrant and covenant that I have the full and unencumbered right to sell and assign the interests herein sold and assigned and that 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-named inventor, I hereby declare that:		
The above-identified application was made or authorized to be made by me.		
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.		
Signature: 23.10.2015 Inventor: Gerhard-Heinz Roesele DATE		