504034712 10/04/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4081374

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ARTUR BORTO	09/30/2016
PIOTR KAPUSTA	10/02/2016
DAWID LUCZYNIEC	09/30/2016

RECEIVING PARTY DATA

Name:	MTU AERO ENGINES AG
Street Address:	DACHAUER STRASSE 665
Internal Address:	INTELLECTUAL PROPERTY MANAGEMENT
City:	MUNICH
State/Country:	GERMANY
Postal Code:	D-80995

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15280653

CORRESPONDENCE DATA

Fax Number: (512)308-6380

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.

Email: mail@abel-ip.com

Correspondent Name: ABEL LAW GROUP LLP

Address Line 1: 8911 N. CAPITAL OF TEXAS HWY

Address Line 2: BLDG 4, STE 4200 Address Line 4: AUSTIN, TEXAS 78759

ATTORNEY DOCKET NUMBER:	6570-P50320
NAME OF SUBMITTER:	HERIBERT F. MUENSTERER
SIGNATURE:	/Heribert F. Muensterer/
DATE SIGNED:	10/04/2016

Total Attachments: 3

source=P50320_Declaration_Assignment_executed#page1.tif source=P50320_Declaration_Assignment_executed#page2.tif source=P50320_Declaration_Assignment_executed#page3.tif

PATENT 504034712 REEL: 039931 FRAME: 0189

Signature:

Inventor:

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

(For Use with Signed Application Data Sheet)

Title of Invention:	HYBRID BLADE FOR TUR	BOMACHINES
the attached app		o. and title of invention given above;
	ASSIGN	<u>MENT</u>
		iciency of which are hereby acknowledged, as a hese presents hereby sell and assign, unto:
Name of Assignee: M	ITU Aero Engines AG	
Address of Assignee: Germany	Intellectual Property Manageme	ent, Dachauer Strasse 665, D-80995 Munich,
and to the above-identi continuations thereof, a application or for said by said ASSIGNEE, its	ified invention and United States pand in and to any and all Letters Painvention, including any and all resuccessors, or assigns to the full granted as fully and entirely as wor	for the United States, its territories, and possessions is atent application, including any and all divisions or atent of the United States that may issue on any such issues or extensions thereof, to be held and enjoyed end of the term or terms for which any and all such all have been held and enjoyed by me had this
	request the Director of the U.S. Pa ASSIGNEE, its successors, or assig	atent and Trademark Office to issue any and all such gns in accordance herewith.
		ered right to sell and assign the interests herein sold ecute any document or instrument in conflict
or assigns all informati and deliver any papers, acts deemed necessary perfect title to said inve- all Letters Patent that n ASSIGNEE, its succes	ion known to me relating to said in make all rightful oaths, testify in or desirable by said ASSIGNEE, is ention, to said application includin nay be granted therefor or thereon, sors, or assigns, or to assist said A	aid ASSIGNEE, its successors, legal representatives, wention or patent application and that I will execute any legal proceedings, and perform all other lawful its successors, legal representatives, or assigns to g divisions and continuations thereof and to any and including reissues or extensions, in said SSIGNEE, its successors, legal representatives, or at of the United States for said invention.
	DECLAR	<u>ATION</u>
As a below-named inve	entor, I hereby declare that:	
The above-identified a	pplication was made or authorized	to be made by me.
I believe that I am the	original inventor or an original joi	nt inventor of a claimed invention in the application.
	that any willful false statement ma isonment of pot more than five (5)	de in this declaration is punishable under 18 U.S.C. years, or both.
	MA A D	9

Artur BORTO

PATENT REEL: 039931 FRAME: 0190

DATE

Title of Invention:

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

(For Use with Signed Application Data Sheet)

This ass	signment and declaration are directed to (check one):
t	he attached application;
□ t	he application identified by the attorney docket no. and title of invention given above;
\boxtimes	United States Application No. 15/280,653, filed September 29, 2016.

HYBRID BLADE FOR TURBOMACHINES

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: Intellectual Property Management, Dachauer Strasse 665, D-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: Inventor:

Dawid LUCZYNJEC

DATE

PATENT REEL: 039931 FRAME: 0191

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

(For Use with Signed Application Data Sheet)

Title of Invention: HYBRID BLADE FOR TURBOMACHINES
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; United States Application No. 15/280,653, filed September 29, 2016.
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: Intellectual Property Management, Dachauer Strasse 665, D-80995 Munich,
Germany
(hereinafter ASSIGNEE) all my right, title, and interest for the United States, its territories, and possessions is 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.
<u>DECLARATION</u>
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.

Signature: Alfusta tota DATE

Signature: Piotr KAPUSTA DATE

§ 1001 by fine or imprisonment of not more than five (5) years, or both.

RECORDED: 10/04/2016

PATENT REEL: 039931 FRAME: 0192