

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DIETER FRENO	07/19/2019
THORSTEN PÖHLER	07/16/2019
MARTIN PERNLEITNER	07/18/2019
PAUL STORM	07/18/2019
ELECTRA STAVROPOULOU	07/19/2019
DIRK FRANK	07/16/2019

RECEIVING PARTY DATA

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State/Country:	GERMANY
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Name:	MAN ENERGY SOLUTIONS SE
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City:	AUGSBURG
State/Country:	GERMANY
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16537278

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	410001-782/456395
NAME OF SUBMITTER:	IAN R. BLUM
SIGNATURE:	/Ian R. Blum/
DATE SIGNED:	08/09/2019
Total Attachments: 3 source=410001-782-Assignment#page1.tif source=410001-782-Assignment#page2.tif source=410001-782-Assignment#page3.tif	

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, we the undersigned, Dieter FRENO; Thorsten PÖHLER; Martin PERNLEITNER; Paul STORM; Electra STAVROPOULOU; Dirk FRANK (hereinafter referred to as "ASSIGNOR"):

Hereby sell, assign and transfer to MAN Energy Solutions SE and MTU Aero Engines AG (hereinafter referred to as "ASSIGNEE"), a corporation of Germany, having a place of business at Stadtbachstr. 1, 86153 Augsburg, Germany; Dachauer Strasse 665, 80995 München, Germany, respectively, its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to the invention which is disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and which is entitled

Cooling System For Actively Cooling A Turbine Blade

and in and to said application and all provisional, divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on said invention; and in and to all original, reissued and other patents and certificates of invention which have been or shall be issued in the United States and all foreign countries on said invention;

Agree that said Assignee may apply for and receive Letters Patent for said invention in its own name, and that, when requested, without further consideration from or charge to, but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on said

invention; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said invention and for vesting title to said invention and all applications for patents and all patents on said invention, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.


Date: 07/19/2015
month/day/year


Dieter FRENO

Witness

Witness

Date: 07/16/2015
month/day/year


Thorsten PÖHLER,

Witness

Witness

Date: 07/18/2019
month/day/year

Martin PERNLEITNER
Martin PERNLEITNER

Witness

Witness

Date: 07/18/2019
month/day/year

Paul STORM
Paul STORM

Witness

Witness

Date: 07/19/2019
month/day/year

Electra STAVROPOULOU
Electra STAVROPOULOU

Witness

Witness

Date: 07/16/2019
month/day/year

Dirk FRANK
Dirk FRANK

Witness

Witness