

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT3198761

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BRUCE L. MORIN	12/11/2014
DAVID A. TOPOL	12/11/2014
DETLEF KORTE	01/26/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UNITED TECHNOLOGIES CORPORATION
<b>Street Address:</b>	ONE FINANCIAL PLAZA
<b>City:</b>	HARTFORD
<b>State/Country:</b>	CONNECTICUT
<b>Postal Code:</b>	06101
<b>Name:</b>	MTU AERO ENGINES AG
<b>Street Address:</b>	DACHAUER STR. 665
<b>City:</b>	MUNICH
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	80995
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14606087
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(248)988-8363
<i>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.</i>	
<b>Phone:</b>	248-988-8360
<b>Email:</b>	docket@cgolaw.com
<b>Correspondent Name:</b>	CARLSON, GASKEY & OLDS/PRATT & WHITNEY
<b>Address Line 1:</b>	400 WEST MAPLE ROAD
<b>Address Line 2:</b>	SUITE 350
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<b>ATTORNEY DOCKET NUMBER:</b>	23932-AB; 67097-2360 PUS2
<b>NAME OF SUBMITTER:</b>	BENJAMIN J. COON

<b>SIGNATURE:</b>	/Benjamin J. Coon/
<b>DATE SIGNED:</b>	01/27/2015
<b>Total Attachments: 4</b> source=2014-12-11_Low_noise_turbine_assignment#page1.tif source=2014-12-11_Low_noise_turbine_assignment#page2.tif source=2014-12-11_Low_noise_turbine_assignment#page3.tif source=2014-12-11_Low_noise_turbine_assignment#page4.tif	

**ASSIGNMENT**  
**(Joint Inventors)**

WHEREAS, we, **Bruce L. Morin** of 20 Biella Street, Springfield, MA 01104; **David A. Topol** of 36 Lyman Road, West Hartford, CT 06117;  
(hereinafter referred to as Assignors), have invented new and useful improvements in:

**LOW NOISE TURBINE FOR GEARED GAS TURBINE ENGINE**

which is forth in an application in the United States executed on even date herewith:

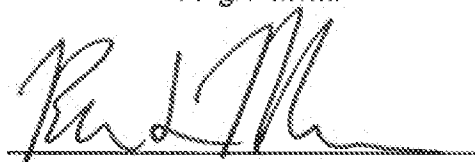
AND WHEREAS, **UNITED TECHNOLOGIES CORPORATION**, (hereinafter referred to as Assignee), of **One Financial Plaza, Hartford, Connecticut 06101**, a corporation of the State of Delaware is desirous of acquiring the entire right, title and interest in and to said invention and said Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, be it known by all whom it may concern, that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the Assignors have assigned, sold and set over, and by these presents assign, sell and set over unto the Assignee, its successors, legal representatives and assigns, for the territory of the United States of America and all foreign countries, the entire right, title and interest in and to said invention, said application for Letters Patent, including the right to file foreign patent applications corresponding to said application, and the right to claim the priority date of said United States patent application and any legal equivalents thereof, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and to any and all divisions, continuations, and continuations-in-part of said application, or re-issues or extensions of said Letters Patent or Patents prepared and executed by the Assignors on even date herewith, the same to be held and enjoyed by the Assignee, as fully and entirely as the same would have been held by the Assignors had this Assignment and sale not been made.

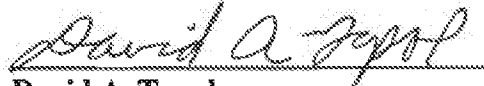
AND the Assignor hereby covenants and agrees that the Assignors will at any time upon the request and at the expense of the Assignee execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention and to obtain Letters Patent therefor, and the Assignors hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to the said Assignee in accordance with this Agreement.

Dated: \_\_\_\_\_

12/11/2014

  
\_\_\_\_\_  
**Bruce L. Morin**

Dated: 12/11/2014

  
David A. Topol

Please address all correspondence and telephone calls and, upon recordation, please return this document to:

Benjamin J. Coon  
CARLSON, GASKEY & OLDS, P.C.  
400 W. Maple, Suite 350  
Birmingham, MI 48009  
(248) 988-8360

**ASSIGNMENT**  
**(Single Inventor)**

WHEREAS, I, **Detlef Korte** (hereinafter referred to as Assignor), residing at, Heimgartenweg 23, 85757 Karlsfeld, Germany have invented new and useful improvements in:

**LOW NOISE TURBINE FOR GEARED GAS TURBINE ENGINE**

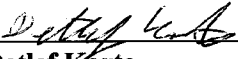
which is set forth in an application in the United States executed on even date herewith:

AND WHEREAS, **MTU Aero Engines AG**, (hereinafter referred to as Assignee), of **Dachauer Str. 665, 80995 Munich, Germany**, is desirous of acquiring the entire right, title and interest in and to said invention and said Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, be it known by all whom it may concern, that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the Assignors have assigned, sold and set over, and by these presents assign, sell and set over unto the Assignee, its successors, legal representatives and assigns, for the territory of the United States of America and all foreign countries, the entire right, title and interest in and to said invention, said application for Letters Patent, including the right to file foreign patent applications corresponding to said application, and the right to claim the priority date of said United States patent application and any legal equivalents thereof, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and to any and all divisions, continuations, and continuations-in-part of said application, or re-issues or extensions of said Letters Patent or Patents prepared and executed by the Assignor on even date herewith, the same to be held and enjoyed by the Assignee, as fully and entirely as the same would have been held by the Assignor had this Assignment and sale not been made.

AND the Assignor hereby covenants and agrees that the Assignor will at any time upon the request and at the expense of the Assignee execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention and to obtain Letters Patent therefor, and the Assignor hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the said Assignee in accordance with this Agreement.

Dated: 26.1.2015

  
\_\_\_\_\_  
Detlef Korte

**Please address all correspondence and telephone calls and, upon recordation, please return this document to:**

**Benjamin J. Coon  
CARLSON, GASKEY & OLDS, P.C.  
400 W. Maple, Suite 350  
Birmingham, MI 48009  
(248) 988-8360**