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OMB No. 0651-0027 (exp. 6/30/2005)U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

Attorney Docket No.: 011235.57621US

103285983

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

## 1. Name of conveying parties/Execution Date(s):

Andreas GRUENDEL  
Hubert HERRMANN  
Bernhard HOFFMANN

Execution Date(s) 05/11/2006; 05/12/2006; 05/11/2006

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 2. Name and address of receiving party(ies)

Name: MTU Aero Engines GmbH

Street Address: Dachauer Strasse 665  
80995 Munich  
GERMANYAdditional name(s) & address(es) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

4. Application number(s) or patent number(s): ☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/413,875

B. Patent Registration No.(s)

Additional number(s) attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Crowell &amp; Moring LLP

Street Address: Intellectual Property Group  
PO Box 14300  
Washington, DC 20044-4300

Phone Number: 202-624-2500

Fax Number: 202-628-8844

6. Total number of applications and patents involved 1

## 7. Total fee (37 CFR 1.21(h) &amp; 3.41) \$ 40.00

- ☒ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

## 8. Payment Information

a. Credit Card Last 4 Numbers 1007  
Expiration Date 10/10

b. Deposit Account Number

Authorized User Name Crowell &amp; Moring

## 9. Signature:

Signature

7/28/06  
Date

Robert L. Grabarek, Jr., Reg. No. 40,625

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 3

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Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
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**ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto:

**MTU Aero Engines GmbH  
Dachauer Strasse 665  
80995 Munich  
Germany**

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to:

**TRANSVERSE FLUX MACHINE AND TURBINE-TYPE MACHINE HAVING  
SUCH A TRANSVERSE FLUX MACHINE**

as set forth in his United States Patent Application (check one):

- ☒ executed concurrently herewith,  
☐ executed on \_\_\_\_,  
☐ Application No. filed  
☐ PCT International Application, No.: filed,

in and to said 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 which 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, legal representatives and 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 the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters patent to said ASSIGNEE, its successors or assigns in accordance herewith;

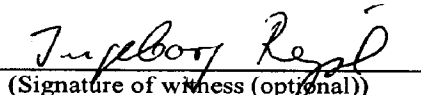
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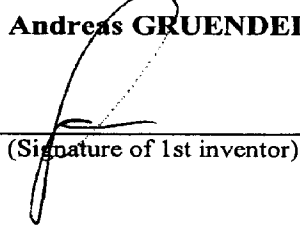
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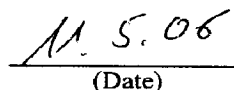
Each of the undersigned hereby grants the firm of **CROWELL & MORING L.L.P.**, or any partner thereof, the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

**Inventor one:**  
Citizen of: Germany

**Andreas GRUENDEL**

  
(Signature of witness (optional))

  
(Signature of 1st inventor)

  
(Date)

**Inventor two:**

Citizen of: Germany

**Hubert HERRMANN**

Ingeborg Repl  
(Signature of witness (optional))

H. Herrmann  
(Signature of 2nd inventor)

12.5.06  
(Date)

**Inventor three:**

Citizen of: Germany

**Bernhard HOFFMANN**

Ingeborg Repl  
(Signature of witness (optional))

B. Hoffmann  
(Signature of 1st inventor)

11.5.2006  
(Date)

Note: Prima facie evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.