

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Erwin BAYER</td><td>07/24/2007</td></tr><tr><td>Ulrich KNOTT</td><td>07/25/2007</td></tr><tr><td>Karl-Hermann RICHTER</td><td>07/23/2007</td></tr></tbody></table>		Name	Execution Date	Erwin BAYER	07/24/2007	Ulrich KNOTT	07/25/2007	Karl-Hermann RICHTER	07/23/2007		
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Erwin BAYER	07/24/2007										
Ulrich KNOTT	07/25/2007										
Karl-Hermann RICHTER	07/23/2007										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>MTU Aero Engines GmbH</td></tr><tr><td>Street Address:</td><td>Dachauer Strasse 665</td></tr><tr><td>City:</td><td>Munich</td></tr><tr><td>State/Country:</td><td>GERMANY</td></tr><tr><td>Postal Code:</td><td>80995</td></tr></table>		Name:	MTU Aero Engines GmbH	Street Address:	Dachauer Strasse 665	City:	Munich	State/Country:	GERMANY	Postal Code:	80995
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PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11815961</td></tr></tbody></table>		Property Type	Number	Application Number:	11815961						
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Application Number:	11815961										
CORRESPONDENCE DATA											
Fax Number: (202)628-8844 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	011235.59261US										
NAME OF SUBMITTER:	Robert L. Grabarek, Jr.										
Total Attachments: 2 source=59261USAssignment#page1.tif source=59261USAssignment#page2.tif											

OP \$40.00 11815961

PATENT

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REEL: 019675 FRAME: 0001

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:

**METHOD FOR PRODUCING AND/OR REPAIRING AN INTEGRALLY BLADED ROTOR BY INDUCTIVE
DIFFUSION WELDING**

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

- ☐ executed concurrently herewith,
☐ executed on ____,
☐ Application No. _____ filed _____
☒ PCT International Application, No.: PCT/DE2006/000174, filed February 4, 2006,

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;

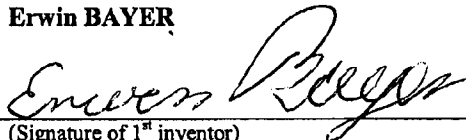
Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he 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 which 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;

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

Erwin BAYER



(Signature of 1st inventor)

24.7.07

(Date)

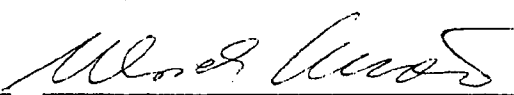
(Signature of witness (optional))

Attorney Docket No.: 011235.59261US

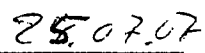
Inventor two:
Citizen of: Germany

Ulrich KNOTT

(Signature of witness (optional))



(Signature of 2nd inventor)

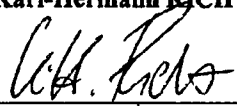


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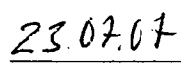
Inventor three:
Citizen of: Germany

Karl-Hermann RICHTER

(Signature of witness (optional))



(Signature of 3rd inventor)



(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.