

## PATENT ASSIGNMENT

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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>Fathi Ahmad</td> <td>02/03/2012</td> </tr> <tr> <td>Harald Hoell</td> <td>02/27/2012</td> </tr> <tr> <td>Karsten Kolk</td> <td>02/03/2012</td> </tr> <tr> <td>Harald Nimptsch</td> <td>02/03/2012</td> </tr> <tr> <td>Werner Setz</td> <td>03/06/2012</td> </tr> </tbody> </table>	Name	Execution Date	Fathi Ahmad	02/03/2012	Harald Hoell	02/27/2012	Karsten Kolk	02/03/2012	Harald Nimptsch	02/03/2012	Werner Setz	03/06/2012	
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RECEIVING PARTY DATA													
Name:	Siemens Aktiengesellschaft												
Street Address:	Wittelsbacherplatz 2												
City:	Muenchen												
State/Country:	GERMANY												
Postal Code:	80333												
PROPERTY NUMBERS Total: 1													
Property Type	Number												
Application Number:	13392927												
CORRESPONDENCE DATA													
Fax Number:	(407)736-6440												
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	SANDRA BAKER												
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Address Line 4:	ISELIN, NEW JERSEY 08830												
ATTORNEY DOCKET NUMBER:	2009P13983WOUS												
NAME OF SUBMITTER:	JANET D. HOOD												
Total Attachments: 3 source=2009P13983WOUSAssignmentFiledApr252012#page1.tif source=2009P13983WOUSAssignmentFiledApr252012#page2.tif source=2009P13983WOUSAssignmentFiledApr252012#page3.tif													

CH \$40.00 13392927

PATENT

# A S S I G N M E N T

For good and valuable consideration, I/we, the undersigned

**Fathi AHMAD**  
residing at:

**Moselstr. 1  
41564 Kaarst,  
GERMANY**

**Citizenship: DE**

**Harald HOELL**  
residing at:

**Wolfgrabenstr. 56  
63607 Wächtersbach,  
GERMANY**

**Citizenship: DE**

**Dr.Karsten KOLK**  
residing at:  
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45479 Mülheim a.d. Ruhr,  
GERMANY**

**Citizenship: DE**

**Harald NIMPTSCH**  
residing at:  
**Am Frommen Josef 62  
45136 Essen,  
GERMANY**

**Citizenship: DE**

**Dr.Werner SETZ**  
residing at:  
**Em Höttche 7  
51503 Rösrath,  
GERMANY**

**Citizenship: DE**

hereby sell, assign, and transfer to

Siemens Aktiengesellschaft a German corporation organized and existing under the laws of GERMANY having its (their) principal place of business in München; GERMANY	a German corporation organized and existing under the laws of having its (their) principal place of business in ;
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hereinafter the "Assignee(s)", its (their) successor(s), assigns and legal representatives the entire and exclusive right, title and interest in and for the United States and for any of the Contracting States bound by the PCT on the international filing date, in all and to any improvements which are disclosed in the PCT international application for Letters Patent designating the United States and any of the Contracting States bound by the PCT on the international filing date, said application being identified in our records as

Applicants File No. 2009P13983WOUS  
and filed as PCT-application PCT/EP2010/062880  
and entitled

(Title:) COOLING OF A GAS TURBINE COMPONENT DESIGNED AS A ROTOR DISK OR TURBINE  
BLADE

IDNR: 4248 / 06.06.2007

and in and to said application and all divisional, continuing substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and any of the Contracting States bound by the PCT on the international filing date on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and any of the Contracting States bound by the PCT on the international filing date on said improvements;

hereby agree that said Assignee(s) may apply for and receive Letters Patent for said improvements in its (their) own name and that when requested without charge to but at the expense of said Assignee(s), its (their) successor(s), assigns, and legal representatives, to carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee(s), its (their) successor(s), assigns and legal representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee(s), its (their) successor(s), assigns, or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements in said Assignee(s), its (their) successor(s), assigns, and legal representatives; and

hereby covenant with said Assignee(s), its (their) successor(s), assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed had been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 03.02.07



Fathi AHMAD

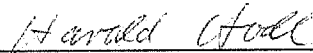
Witnesses: Nihal Kurt

Witnesses: Michael Kluck

(printed name: NIHAL KURT)

(printed name: Michael Kluck)

Date: 27.02.12



Harald HOELL

Witnesses: Veitsman

Witnesses: S. Dungs

(printed name: VEITSMAN SLAVA)

(printed name: Soscha Dungs)

Date: 03.02.012Karsten Kolk

Dr. Karsten KOLK

Witnesses: Ulf LeiningerWitnesses: Müller D.(printed name: Ulf Leininger)(printed name: Müller D.)Date: 2012-02-03Harald Nimptsch

Harald NIMPTSCH

Witnesses: Veitsman SlavaWitnesses: S. Dungs(printed name: VEITSMAN SLAVA)(printed name: Sascha Dungs)Date: 06.03.2012W. Petz

Dr. Werner SETZ

Witnesses: D. PetzWitnesses: Monique Theisgen(printed name: Doris Setz)(printed name: Monique Theisgen)