502586616 12/02/2013

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2632724

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ADNAN EROGLU	11/04/2013
KLAUS KNAPP	10/30/2013
PETER FLOHR	11/13/2013
HANSPETER KNÖPFEL	10/31/2013
WEIQUN GENG	11/04/2013

RECEIVING PARTY DATA

Name:	ALSTOM Technology Ltd
Street Address:	Brown Boveri Strasse 7
City:	Baden
State/Country:	SWITZERLAND
Postal Code:	CH-5400

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13855857

CORRESPONDENCE DATA

Fax Number:

Email: patents-and-trademarks@alstom.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: ALSTOM TECHNOLOGY LTD Address Line 1: **BROWN BOVERI STRASSE 7/664/2** Address Line 2: CHTI INTELLECTUAL PROPERTY Address Line 4: BADEN, SWITZERLAND CH-5401

ATTORNEY DOCKET NUMBER:	B08/121-1
NAME OF SUBMITTER:	ROBERT D. CRAWFORD

REEL: 031696 FRAME: 0847

PATENT

502586616

Signature:	/Robert D. Crawford/	
Date: 12/02/2013		
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 10 source=B08-121-1_US_ASG_DEC_COMB_	131202#page2.tif 131202#page3.tif 131202#page4.tif 131202#page5.tif 131202#page6.tif 131202#page7.tif 131202#page8.tif 131202#page9.tif	

As one	of th	ne below	r named	inventors,	1 hereby	declare	that th	is Combined	Declaration	and	Assignment	is
directe	d to:											

(1)	\boxtimes	U.S. application number or PCT application number 13/855,857 filed on April 3, 2013 entitled METHODS OF OPERATION OF A GAS TURBINE
		WITH IMPROVED PART LAOD EMISSIONS BEHAVIOR ; or
(2)		the attached application entitled

DECLARATION

As one of the below named inventors, I further declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, including the claims.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

<u>ASSIGNMENT</u>

THIS ASSIGNMENT, by the undersigned inventors (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements set forth in an application for Letters Patent of the United States, which is a nonprovisional application;

WHEREAS, Alstom Technology Ltd., a corporation duly organized under and pursuant to the laws of Switzerland and having a principal place of business at Brown Boveri Strasse 7, CH-5400 Baden, Switzerland (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do self, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full

Buchanan Ingersoll & Rooney PC

(7/06) Page 1 of 2

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-inpart of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

	Adnan Eroglu	
Date	Name	Signature
·	Klaus Knapp	
Date	Name	Signature
13.11.2013	Peter Flohr	- + Low
Date	Name	/Signature
	Hans Peter Knoepfel	
Date	Name	Signature
	Weigun Geng	
Date	Name	Signature

REEL: 031696 FRAME: 0850

As one of the below named inventors, I hereby declare that this Combined Declaration and Assignment is directed to:

(1)	Ø	U.S. application number or PCT application number 13/855,857 filed on April 3, 2013 , entitled METHODS OF OPERATION OF A GAS TURBINE WITH IMPROVED PART LAOD EMISSIONS BEHAVIOR ; or
(2)	П	the attached application entitled .

DECLARATION

As one of the below named inventors, I further declare that:

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NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full

Buchaman Ingersulf & Roomey re

(7/06) Page 1 of 2

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AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

	Adnan Eroglu	
Date	Name	Signature
•	Klaus Knapp	
Date	Name	Signature
	Peter Flohr	
Date	Name	Signature
<u> 2613, 1631 </u>	Hans Peter Knoepfel	
Date	Name	Signature
	Weiqun Geng	
Date	Name	Signature

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	Adnan Eroglu			
Date	Name	Signature		
30 0.4 2013	Klaus Knapp	Mam Ving		
Date	Name	Signatuřei		
·	Peter Flohr			
Date.	Name	Signature		
	Hans Peter Knoepfel	3		
Date	Name	Signature		
	Weiqun Geng			
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Date	Name	Signature
· ·	Klaus Knapp	·····
Date	Name	Signature
	Peter Flohr	<u></u>
Date	Name	Signature
	Hans Peter Knoepfel	
Date	Name	Signature
04/11/2013	Welgun Geng	Vi Charles
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04.//, 20/3 _	Adnan Eroglu Name	Signature Signature
Date	Klaus Knapp Name	Signature
Date	Peter Flohr Name	Signature
Date	Hans Peter Knoepfel Name	Signature
	Weiqun Geng Name	Signature