

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Michael J. Zolock	04/08/2010
Alexei V. Smirnov	04/06/2010
RECEIVING PARTY DATA	
Name:	Advanced Energy Industries, Inc.
Street Address:	1625 Sharp Point Drive
City:	Fort Collins
State/Country:	COLORADO
Postal Code:	80525
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12757574
CORRESPONDENCE DATA	
Fax Number:	(720)536-4910
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	720-536-4900
Email:	mclark@neugeborenlaw.com
Correspondent Name:	Sean R. O'Dowd
Address Line 1:	1227 Spruce Street
Address Line 2:	Suite 200
Address Line 4:	Boulder, COLORADO 80301
ATTORNEY DOCKET NUMBER:	AE2008.027US
NAME OF SUBMITTER:	Sean R. O'Dowd
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif	

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PATENT
REEL: 024212 FRAME: 0614

ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION,

We, the undersigned (each) have agreed and hereby agree to assign for good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto

Advanced Energy Industries, Inc.

a corporation organized under the laws of the state of Delaware as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to

MASS FLOW CONTROLLER WITH ENHANCED OPERATING RANGE

described in an application for Letters Patent of the United States, identified as Attorney Docket No. AE2008.027US, at Nengsborn O'Dowd PC, 1227 Spruce Street, Suite 260, Boulder, CO 80302 and filed on 04/09/2010, as Application Serial No. 12/757,574, and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissue, or reexaminations, or extensions of said Letters Patent. We request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

We hereby authorize Sean R. O'Dowd, attorney for Assignee, to insert the filing date and Serial number into the first paragraph of this assignment, after the application for Letters Patent has been filed, and the U.S. Patent Office has assigned such application a Serial Number.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below

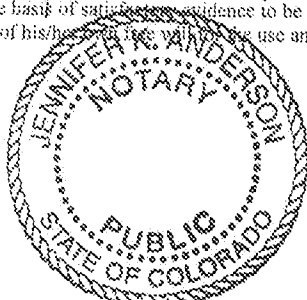
Michael J. Zeleck
Inventor's Signature

8 Apr 2010
DATE

Michael J. Zeleck
Inventor's Printed Name

STATE OF _____)
COUNTY OF _____) SS

On this 8th day of April, 2010, before me personally came the above named Michael J. Zeleck who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.



Jennifer K. Anderson
NOTARY PUBLIC
My Commission Expires 9-23-2012

My Commission Expires 09/23/2012

Page 1 of 2

Alex

04/06/2010

Inventor's Signature

DATE

Alexei V. Smirnov
Inventor's Printed Name

STATE OF

COUNTY OF

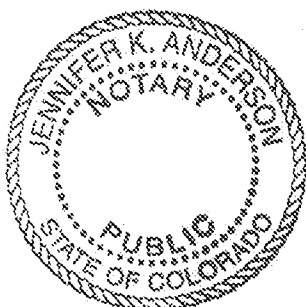
} ss

On this 6th day of April, 2010, before me personally came the above named Alexei V. Smirnov who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Jennifer K. Anderson
NOTARY PUBLIC

My Commission Expires

7-23-2013



My Commission Expires 08/23/2013