

3/25/05

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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 party(ies)/Execution Date(s):

Thomas Joel Blackburn
Christopher C. Mason

Execution Date(s) 3/24/05

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

2. Name and address of receiving party(ies)

Name: Advanced Energy Industries, Inc.

Internal Address: _____

Street Address: 1625 Sharp Point Drive

City: Fort Collins

State: CO

Country: US Zip: 80525

Additional name(s) & address(es) attached? Yes No

4. Application or patent number(s):

A. Patent Application No.(s) _____

This document is being filed together with a new application.

B. Patent No.(s) _____

Additional numbers attached? Yes No

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

Name: John D. Pirnot

Advanced Energy Industries, Inc.

Internal Address: _____

Street Address: 1625 Sharp Point Drive

City: Fort Collins

State: CO Zip: 80525

Phone Number: 970-407-6326

Fax Number: 970-407-5326

Email Address: jd.pirnot@aei.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 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 _____
Expiration Date _____

b. Deposit Account Number 501539

Authorized User Name John D. Pirnot

9. Signature:

Signature

3/25/2005

Date

John D. Pirnot

Name of Person Signing

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

4

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

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

04/06/2005 DBYRME 00000249 501539 11090377

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ASSIGNMENT OF PATENT APPLICATION

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

Termination of Secondary Frequencies in RF Power Delivery

described in an application for Letters Patent of the United States, identified as Attorney Docket No. AE2002-033CIP, at Advanced Energy Industries, Inc., 1625 Sharp Point Drive, Fort Collins, CO 80525, 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 reissues, 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 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.

Thomas Joel Blackburn
Inventor's Signature

3-24-05
DATE

Thomas Joel Blackburn
Inventor's Printed Name

STATE OF COLORADO)
) SS
COUNTY OF LARIMER)

On this 24 day of March, 2005, before me personally came the above named Thomas Joel Blackburn 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.

Kathleen M. Mark
NOTARY PUBLIC
My Commission Expires: 3/3/06



Inventor's Signature

3-24-2005

DATE

Christopher C. Mason

Inventor's Printed Name

STATE OF COLORADO)
) SS
COUNTY OF LARIMER)

On this 24 day of March, 2005, before me personally came the above named Christopher C. Mason 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.

Kathleen M. Manly
NOTARY PUBLIC
My Commission Expires: 3/3/06