

02-18-2004

2.9.04

Docket No. 1855-SPL

Form PTO-15 (Rev. 10/02)



U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 6/30/2005)

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Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): William P. D'Amico John L. Champion Dennis K. Wickenden Robert B. Givens Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies) Name: The Johns Hopkins University Internal Address:

3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other 1/7/04; 1/6/04; 1/12/04; and Execution Date: 2/5/04; respectively

Street Address: 34th and Charles Streets City: Baltimore State: MD Zip: 21218 Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) 10/664,315 B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Albert J. Fasulo, II, Reg. No. 43,607 Internal Address: Office of Patent Counsel The Johns Hopkins University Applied Physics Laboratory Street Address: Mail Stop 7-156 11100 Johns Hopkins Road City: Laurel State: MD Zip: 20723-6099

6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41).....\$ 40.00 [] Enclosed [X] Authorized to be charged to deposit account 8. Deposit account number: 01-2218

DO NOT USE THIS SPACE

9. Signature. Albert J. Fasulo, II Name of Person Signing [Signature] Signature 2/6/04 Date

Total number of pages including cover sheet, attachments, and documents: 4

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

02/17/2004 ECUOPER 00000161 012218 10664315 40.00 DA

ASSIGNMENT

WHEREAS, William P. D'Amico, John L. Champion, Dennis K. Wickenden, and Robert B. Givens, hereinafter referred to as the ASSIGNORS, have made an invention as described in a United States patent application entitled:

Lorentz Force Assisted Switch

which application was executed by them on January 7, 2004, January 6, 2004, January 12, 2004, and February 5, 2004, respectively, and

WHEREAS, The Johns Hopkins University, a corporation organized and existing under the laws of the State of Maryland and having its principal place of business at Baltimore, Maryland, hereinafter referred to as the ASSIGNEE, desires to acquire an interest therein;

NOW, THEREFORE, in consideration of their employment by ASSIGNEE, the ASSIGNORS do hereby sell, assign and transfer to the ASSIGNEE the entire right, title and interest in and to said invention in the United States and its territories and possessions and in all foreign countries and the entire right, title and interest in and to said international application and any substitutions, divisions, continuations, or continuations-in-part based upon said application, and in and to any and all Letters Patent, whether original or reissue, which may be granted for said invention in the United States and its territories and possessions and in any and all foreign countries, the invention, said patent application, and any and all such patents to be held and enjoyed by the ASSIGNEE for its own use and benefit and for its legal representatives as fully and entirely as the same would have been held by the ASSIGNORS had this agreement not been made.

THE ASSIGNORS here further agree to make, execute, and deliver to the ASSIGNEE, its successors, assigns, and legal representatives, upon request but at the expense of the ASSIGNEE, any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the aforesaid application, and of any United States or foreign applications, and of any substitutions, divisions, continuations, or continuations-in-part of said application, or applications for reissues of said Letters Patents, and to aid the ASSIGNEE, its successors, assigns, and legal representatives in every way in protecting the said invention as may be requested, provided, however that they shall not have to pay any expenses arising from extending such assistance.

THE ASSIGNORS hereby covenant that they have the right to grant the foregoing assignment.

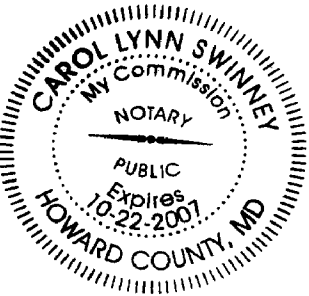
William P. D'Amico SEAL 1/7/04 DATE
William P. D'Amico

STATE OF MARYLAND)
COUNTY OF HOWARD)

On this 7th day of January, 2004, before me, the undersigned officer, personally appeared the above-named William P. D'Amico, known to me or satisfactorily proven to be the person whose name is subscribed to within the instrument and acknowledged that he executed the same for the purpose therein contained.

In witness hereof I hereunto set my hand and official seal.

Carol Lynn Swinney
Signature
CAROL LYNN SWINNEY
Printed Name



Notary Public
My Commission expires 10-22-2007

John L. Champion SEAL 1/6/04 DATE
John L. Champion

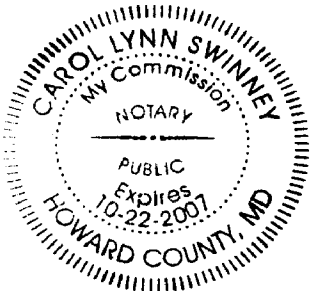
STATE OF MARYLAND)
COUNTY OF Howard)

On this 6th day of January, 2004, before me, the undersigned officer, personally appeared the above-named John L. Champion, known to me or satisfactorily proven to be the person whose name is subscribed to within the instrument and acknowledged that he executed the same for the purpose therein contained.

In witness hereof I hereunto set my hand and official seal.

Carol Lynn Swinney
Signature
CAROL LYNN SWINNEY
Printed Name

Notary Public
My Commission expires 10-22-2007

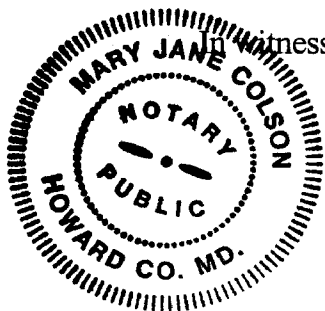


Dennis K Wickenden SEAL 1/2/04 DATE
Dennis K. Wickenden

STATE OF MARYLAND)
COUNTY OF HOWARD)

On this 12 day of January, ^{2004 mgc} 2003, before me, the undersigned officer, personally appeared the above-named Dennis K. Wickenden, known to me or satisfactorily proven to be the person whose name is subscribed to within the instrument and acknowledged that he executed the same for the purpose therein contained.

In witness hereof I hereunto set my hand and official seal.



Mary Jane Colson
Signature
Mary Jane Colson
Printed Name

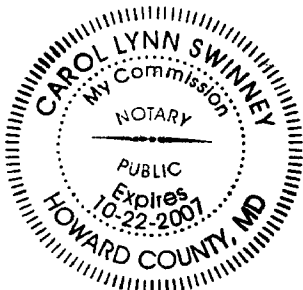
Notary Public
My Commission expires 4/1/04

Robert B. Givens SEAL 2/5/04 DATE
Robert B. Givens

STATE OF MARYLAND)
COUNTY OF HOWARD)

On this 5th day of February, 2003, before me, the undersigned officer, personally appeared the above-named Robert B. Givens, known to me or satisfactorily proven to be the person whose name is subscribed to within the instrument and acknowledged that he executed the same for the purpose therein contained.

In witness hereof I hereunto set my hand and official seal.



Carol Lynn Swinney
Signature
CAROL LYNN SWINNEY
Printed Name

Notary Public
My Commission expires 10-22-2007