**Form PTO-1619A**

**TO:** The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

### Submission Type
- [X] New
- [ ] Resubmission (Non-Recodratin)
- [ ] Correction of PTO Error
- [ ] Corrective Document

### Conveyance Type
- [X] Assignment
- [ ] Security Agreement
- [ ] License
- [ ] Change of Name
- [ ] Merger
- [ ] Other

### U.S. Government
- [ ] Departmental File
- [ ] Secret File

#### Conveying Party(ies)

- **Name (line 1):** Ruckman, Christopher E.
- **Execution Date:** 04/10/2001
- **Month Day Year:** 04102001
- **Name (line 2):**
- **Execution Date:** 04/05/2001
- **Month Day Year:** 04052001

#### Second Party

- **Name (line 1):** Holford, John M.
- **Name (line 2):**

#### Receiving Party

- **Name (line 1):** VSSL Commercial, Inc.
- **Name (line 2):**
- **Address (line 1):** 811 North Royal Street
- **Address (line 2):**
- **Address (line 3):** Alexandria, Virginia 22314
  - **City:**
  - **State/Country:**
  - **Zip Code:**

#### Domestic Representative Name and Address

- **Name:** Mark J. Thronson (33,082)
- **Address (line 1):** DICKSTEIN SHAPIRO MORIN & OSHINSKY
- **Address (line 2):** 2101 L Street NW
- **Address (line 3):** Washington, DC 20037-1526
- **Address (line 4):**

#### FOR OFFICE USE ONLY

Mail documents to be recorded with required cover sheet(s) information to:
Commissioner of Patents and Trademarks, Box Assignments, Washington, DC 20231
Form PTO-1619B
Expires 06/30/09
OMB 0651-0027

Page 2

U.S. Department of Commerce
Patent and Trademark Office

PATENT

Correspondent Name and Address

Name: Mark J. Thronson
Address (line 1): DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP
Address (line 2): 2101 L Street NW
Address (line 3): Washington, DC 20037-1526
Address (line 4): 

Area Code and Telephone Number [202] 775-4742

Pages

Enter the total number of pages of the attached conveyance document including any attachments. # 4

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

09754245

Patent Number(s)


If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.
Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.
PCT

PCT

PCT

Number of Properties

Enter the total number of properties involved. # 1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): $ 40.00
Method of Payment:
Enclosed ☑ Deposit Account ☐
Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.)
Deposit Account Number:
# 04-1073
Authorization to charge additional fees:
Yes ☑ No ☐

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Mark J. Thronson
Name of Person Signing

Signature

April 20, 2001 Date
ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, by Christopher E. Ruckman of Alexandria, Virginia and John M. Holford of Oakton, Virginia (hereinafter referred to as "Assignors");

WHEREAS, Assignors have invented certain new and useful improvements in ELECTROMAGNETIC ACTIVE VIBRATION CONTROL SYSTEM AND ELECTROMAGNETIC ACTUATOR, set forth in an Application for Letters Patent of the United States, already filed on January 5, 2001 as U.S. Patent Application No. 09/754,245; and

WHEREAS, VSSL Commercial, Inc., a corporation having a place of business at 811 North Royal Street, Alexandria, Virginia 22314 (hereinafter referred to as "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar ($1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.
AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that 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, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will 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 any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

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

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to
comply with the rules of the United States Patent and Trademark Office for recordation of this document:

DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP

Gary M. Hoffman 26,411  Eric Oliver 35,307  Michael Bergman 42,318
Thomas J. D'Amico 28,371  Laurence E. Fisher 37,131  Mark E. Strickland 45,138
Donald A. Gregory 28,954  William E. Powell, III 39,803  Salvatore P. Tamburo 45,153
James W. Brady, Jr. 32,115  Jeremy A. Cubert 40,399  Peter Veytsman 45,920
Jon D. Grossman 32,699  Gianni Minutoli 41,198  Christopher S. Chow 46,493
Mark J. Thronson 33,082

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

[Signature]
Christopher E. Ruckman

Date: 10 Apr. 2001

United States of America )
State of ) ss.: Virginia
County of

On this 10th day of April, 2001, before me personally came Christopher E. Ruckman, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

[Signature]
Notary Public

My Commission Expires 1/31/03
Date: April 5, 2001

United States of America
State of (ss.):
County of

On this 5th day of April, 2001, before me personally came John M. Holford, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public
My Commission Expires 1/31/03