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MRB 10-27-98



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To the Honorable Commissioner of Patents and Tradem

Original documents or copy thereof.

1. Name of conveying party(ies):
Virginia Polytechnic Institute & State University

2. Name and address of receiving party(ies):

Name: **Virginia Tech Intellectual Properties, Inc**

Internal Address: _____

Street Address: **1900 Kraft Drive, Suite 107**

City: **Blacksburg** State: **VA** ZIP: **20191**

65705 U.S. PTO
09/129417
10/27/98

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

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: **September 14, 1998**

4. Application number(s) or registration numbers(s):
If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

09/129,417 8/5/98

11/04/1998 PATTEN 00000018 09129417

Additional numbers attached? Yes No

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

6. Total number of applications and patents involved: **1**

Name: **Michael E. Whitham**

7. Total fee (37 CFR 3.41):\$ **40.00**

Internal Address: **Whitham, Curtis & Whitham**

Enclosed
 Authorized to be charged to deposit account

Street Address: **11800 Sunrise Valley Drive, Suite 900**

8. Deposit account number:
23-1951
(Attach duplicate copy of this page if paying by deposit account)

City: **Reston** State: **VA** ZIP: **20191**

DO NOT USE THIS SPACE

9. 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.

Michael E. Whitham
Name of Person Signing

Michael E. Whitham
Signature

October 27, 1998
Date

Total number of pages including cover sheet, attachments, and document: **3**

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ASSIGNMENT

WHEREAS, Virginia Polytechnic Institute and State University, (hereinafter referred to as **ASSIGNOR**), an institute of higher education organized under the laws of the Commonwealth of Virginia, having an office and principal place of business at Blacksburg, Virginia, is the owner of the entire right, title and interest in and to application for United States Letters Patent, filed on August 5, 1998, in the names of Wing-Fai Ng, Thomas A. Leitch, and Christopher A. Saunders for "METHOD AND APPARATUS FOR REDUCING HIGH-CYCLE FATIGUE AND SUPPRESSING NOISE IN ROTATING MACHINERY" and of the invention therein described; and

WHEREAS, Virginia Tech Intellectual Properties, Inc. (hereinafter referred to as **ASSIGNEE**), a non-stock corporation organized under the laws of the Commonwealth of Virginia and having a principal place of business at 1900 Kraft Drive, Blacksburg, Virginia 24061, is desirous of acquiring the entire right, title and interest in, to and under said application and said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by **ASSIGNEE** to **ASSIGNOR** of the sum of One Dollar (\$1.00), the receipt and sufficiency of which is hereby acknowledged, and for other good and valuable consideration, **ASSIGNOR** hereby sells, assigns and transfers to **ASSIGNEE**, its lawful successors and assigns, the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted; and authorize and request the Commissioner of Patents of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereto, to issue same for this invention to **ASSIGNEE**, its lawful successors and assigns.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

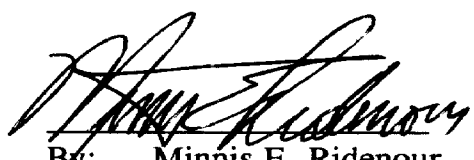
ASSIGNOR further covenants that **ASSIGNEE** will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to **ASSIGNOR** and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to **ASSIGNEE** or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, ASSIGNOR has caused the hand of its proper office to be subscribed hereto this 14 day of September, 1998.

Witnessed by:

VIRGINIA POLYTECHNIC INSTITUTE
AND STATE UNIVERSITY

Karen M. Anderson
9/14/98



By: Minnis E. Ridenour
Executive Vice President