Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002) Tab settings ⇔ ⇔ ♥ ,	101849		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.			
1. Name of conveying party(ies): Richard O. Marsh, Jr.	4~)	Name: Michae	ress of receiving party(ies) I.C. Raymond ss:
Additional name(s) of conveying party(les) attached? Yes No			
	erger ange of Name		3217 Comanche Road
		City: Pittsburgh	State: PA Zip: 15241
Execution Date: 6/18/97		-	& 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)		B. Patent No.(s)
08/584,747 (now Patent No. 5,697,733) 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:
Name: Kirk D. Houser		7. Total fee (37 Cl	FR 3.41)\$
Internal Address:		☐ Enclosed ✓ Authorized to be charged to deposit account	
Eckert Seamans Cherin & Mellott, LLC			
Street Address: 600 Grant St., 44th Floor		8. Deposit account number:	
			02-2556
City: Pittsburgh State: PA Zip: 15219		(Attach duplicate copy of this page if paying by deposit account)	
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. Kirk D. Houser, Reg. No.37,537			
Name of Person Signing	- 710	Signature	Date
Total number of	pages including cove	er sheet, attachments, a	nd documents: 5

Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

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PATENT REEL: 012169 FRAME: 0748

RECORDATION FORM COVER SHEET

2. (Con't.)

Name and address of receiving party(ies)

Name:

M. Robert Hagerty

Street Address:

522 Boundary

City: Sewickley

State: PA

Zip: 15143

Additional name(s) & address(es) attached?

No

Page 2 of 2

PATENT REEL: 012169 FRAME: 0749

ASSIGNMENT

WHEREAS, I, RICHARD O. MARSH, JR, residing at 405 Meadow Lane, Sewickley, Pennsylvania 15143 have invented certain new and useful improvements in CENTRIFUGAL FORCE VIBRATION APPARATUS AND SYSTEM for which I filed Application Serial No. 08/584,747 having a filing date of January 11, 1996;

AND WHEREAS MICHAEL C. RAYMOND and M. ROBERT HAGERTY residing at 3217 Comanche Road, Pittsburgh, Pennsylvania 15241 and 522 Boundary, Sewickley, Pennsylvania 15143, respectively, hereinafter called the "assignees", are desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed;

NOW, THEREFORE, in consideration of One (\$1.00) Dollar and other good and valuable consideration paid to me by said assignees, receipt whereof I hereby acknowledge, I do hereby assign, sell, transfer, and set over unto said assignees the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, renewals, and/or extensions thereof including all priority rights under the International Convention associated therewith for each country and the Union, said assignees to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by me had this assignment not been made; said invention, all applications for Letters Patent and all Letters Patent therefor, to be jointly owned, jointly held and jointly enjoyed by the said assignees, for their joint and/or respective own use and behoof, to the full end of the term for which said Letters Patent are granted.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. I covenant that I am the lawful owner of the said application, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said inventions or improvements or any of them, and that I have the full right to make this assignment.

And for the consideration aforesaid, I agree that I will communicate to said assignees or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request, but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignees or by counsel for said assignees, to assist or enable said assignees to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon my heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignees.

EXECUTED June 18, 1997.

Mungars

Commonwealth of Pennsylvania

County of _

Before me, a Notary Public in and for the said County and Commonwealth, personally appeared RICHARD O. MARSH, JR., who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.

Witness my hand and notarial seal this _____ day of June, 1997.

(Notarial Seal)

Notarial Snal James Dalid Flugert, Notery Public Severitiesy Boro, Averationly Occurity Lity Committee on Explain Oct. 10, 1997

Number, Peresylanda Ascodestan of Notarios

ASSIGNMENT OF INVENTION Application Serial No. 08/584,747

Filed January 11, 1996

Title:

CENTRIFUGAL FORCE VIBRATION APPARATUS AND SYSTEM

RICHARD O. MARSH, JR.

<u>1</u>0

MICHAEL C. RAYMOND and M. ROBERT HAGERTY

Walter J. Blenko, Jr.

Arnold B. Silverman

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PATENT
RECORDED: 09/14/2001 REEL: 012169 FRAME: 0751