

02-02-2000



Atty Docket No.: MATSY-1 P1

FORM PTO-1595  
1-31-92

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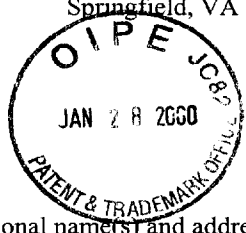
U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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

1. Name of conveying party(ies):  
 Tony F. ZAHRAH  
 Raman RAJKUMAR  
 Phillip A. PARRISH  
 Roderick ROWLAND

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

2. Name and address of receiving party(ies):  
 Name: MATSYS  
 Address: 6800 Versar Center, Suite 275  
 Springfield, VA 22151



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

Execution Date: December 28, 1999

Additional name(s) and 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)  
09/418,502

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

MILLEN, WHITE, ZELANO & BRANIGAN, P.C.  
 Attorneys at Law  
 2200 Clarendon Blvd., Suite 1400  
 Arlington, VA 22201  
 Tel. (703) 243-6333  
 Fax (703) 243-6410

6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00  
 Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number: 13-3402  
 (Attach duplicate copy of this page if paying by deposit account)

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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.*

Barry C. Kinney  
 Name of Person Signing

*Barry C. Kinney*  
 Signature

January 25, 2000  
 Date

Registration Number:

Total number of pages including this cover sheet: 2

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Mail documents to be recorded with required cover sheet information to:

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

# ASSIGNMENT

ATTY. DOCKET NO.:

**MATSYS-1 P1**

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement relating to

## FLUIDIZED FILLSHOE SYSTEM

- for which an application for Letters Patent to be filed in the United States Patent and Trademark Office was executed on even date.
- for which U.S. Application Serial No. 09/418,502 for Letters Patent was filed in the U.S. Patent and Trademark Office on OCTOBER 15, 1999
- for which an International Application was filed on \_\_\_\_\_ as \_\_\_\_\_, designating the United States.

AND WHEREAS **MATSYS**  
6800 Versar Center, Suite 275  
Springfield, VA 22151

hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title, and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, reexaminations and extensions thereof.

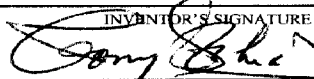
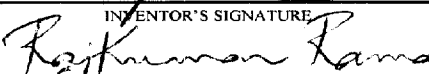
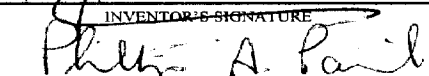

NOW, WITNESSETH that for good and valuable consideration, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells, and transfers to ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.

The undersigned hereby grant(s) the law firm of Millen, White, Zelano & Branigan, P.C. 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.

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR.

| 201 FULL NAME OF SOLE OR FIRST NAMED INVENTOR | INVENTOR'S SIGNATURE   | DATE     |
|---|--|----------|
| Tony F. ZAHRAH                                |  | 12/3/99  |
| 202 FULL NAME OF SECOND JOINT INVENTOR        | INVENTOR'S SIGNATURE   | DATE     |
| Raman RAJKUMAR                                |  | 12/8/99  |
| 203 FULL NAME OF THIRD JOINT INVENTOR         | INVENTOR'S SIGNATURE   | DATE     |
| Phillip A. PARRISH                            |  | 12/28/99 |
| 204 FULL NAME OF FOURTH JOINT INVENTOR        | INVENTOR'S SIGNATURE   | DATE     |
| Roderick ROWLAND                              |  | 12/03/99 |
| 205 FULL NAME OF FIFTH JOINT INVENTOR         | INVENTOR'S SIGNATURE   | DATE     |
| 206 FULL NAME OF SIXTH JOINT INVENTOR         | INVENTOR'S SIGNATURE   | DATE     |
| 207 FULL NAME OF SEVENTH JOINT INVENTOR       | INVENTOR'S SIGNATURE   | DATE     |
| 208 FULL NAME OF EIGHTH JOINT INVENTOR        | INVENTOR'S SIGNATURE   | DATE     |
| 209 FULL NAME OF NINTH JOINT INVENTOR         | INVENTOR'S SIGNATURE   | DATE     |
| 210 FULL NAME OF TENTH JOINT INVENTOR         | INVENTOR'S SIGNATURE   | DATE     |
| 211 FULL NAME OF ELEVENTH JOINT INVENTOR      | INVENTOR'S SIGNATURE   | DATE     |
| 212 FULL NAME OF TWELFTH JOINT INVENTOR       | INVENTOR'S SIGNATURE   | DATE     |