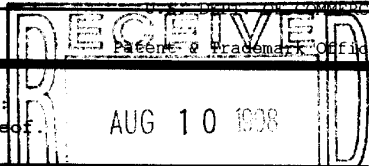


08-17-1998

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To the F
Please recd

Trademarks:
copy thereof

MRD 7-7-98

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

Randall J. Houck Michael H. Houck Name: MiRan L.L.C.
1700 Lakeside Ave. P.O. Box 867 P.O. Box 867
St. Augustine, FL 32086 Pisgah Forest, NC 28767 Pisgah Forest, NC 28767

Individual(s) Individual
 General Partnership General Partnership
 Corporation (State of Florida) Corporation (St. of N. Carolina)
 Association Association
 Limited Partnership Limited Partnership
 Other Other (entity of St. of Florida)
Additional name(s) of conveying party(ies) attached () Yes (X) No

3. Nature of Conveyance:
(X) Assignment () Merger
() Security Agreement () Change of Name
() Other _____

Execution Date: April 8, 1998
Additional name(s) and address(es) attached? () Yes (X) 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)
(see attached Exhibit A)
Additional numbers attached? (X) Yes () No

5. Name and address of party to whom correspondence concerning document should be mailed:
6. Total number of applications and patents involved: [7]

Name: Herbert L. Allen
Address: Allen, Dyer, Doppelt,
Milbrath & Gilchrist, P.A.
255 S. Orange Avenue #1401
Post Office Box 3791
Orlando, Florida 32802
7. Total fee (37 CFR 3.41).....\$280.00
[X] Enclosed
[X] ADDITIONAL fee authorized to be charged to deposit account.
8. Deposit Account No. 01-0484
(Attach duplicate copy of this page if paying by deposit account.)

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01 FC:501 200.00 00

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.

Herbert L. Allen  8/5/98
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments and document: [4]

PATENT

REEL: 9386 FRAME: 0099

EXHIBIT A

U.S. Patent 5,015,123, issued May 14, 1991
U.S. Patent 5,051,028, issued September 24, 1991
U.S. Patent 5,154,543, issued October 13, 1992
U.S. Patent 5,378,357, issued January 03, 1995
U.S. Patent 5,535,499, issued July 16, 1996
U.S. Patent 5,639,364, issued June 17, 1997
U.S. Patent 5,657,527, issued August 19, 1997

Also assigned:

Canadian Patent Application, Serial No. 2,037,617
Filed March 6, 1991

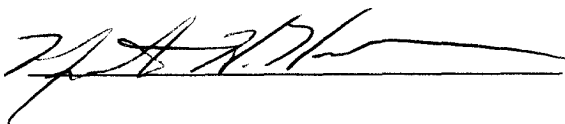


A S S I G N M E N T

RANDALL J. HOUCK of 1700 Lakeside Avenue, St. Augustine, Florida 32086, and **MICHAEL H. HOUCK**, of Post Office 867, Pisgah Forest, North Carolina 28767, respectively, hereinafter referred to as **ASSIGNORS**, for good and valuable consideration, the receipt of which is hereby acknowledged, do hereby sell, assign and set over to **MiRan, L.L.C.**, a North Carolina corporation whose address is Post Office Box 867, Pisgah Forest, North Carolina 28767, hereinafter called **ASSIGNEE**, all of their right, title and interest in and to the inventions set forth in the United States Patents listed in Exhibit A attached hereto; the same to be held and enjoyed by the **ASSIGNEE**, its successors, assigns, or legal representatives.

IN WITNESS WHEREOF we have hereunto set our hands and seal, this 8th day of April, 1998.

^{H.}
MICHAEL H. HOUCK



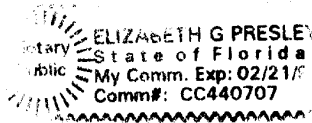
RANDALL J. HOUCK



State of Florida :
 : ss.
County of St. Johns :

Before me personally appeared **Randall J. Houck**,
personally known to me (or provided identification FL. Drivers License)
as the individual who executed the foregoing assignment, and who
acknowledged to me that he executed the same of his own free will
for the purposes therein set forth.

S E A L



Elizabeth G. Presley
Notary Public CC# 440707
My commission expires: 2-21-99
ELIZABETH G. PRESLEY
Typed or Printed Name of Notary

State of North Carolina :
 : ss.
County of :

Before me personally appeared **Michael H. Houck**,
personally known to me (or provided identification _____)
as the individual who executed the foregoing assignment, and who
acknowledged to me that he executed the same of his own free will
for the purposes therein set forth.

S E A L

Mariela Olivo
Notary Public
My commission expires:
Mariela Olivo
Typed or Printed Name of Notary

My Commission Expires Nov. 24, 2001

ALLEN, DYER, DOPPELT
MILBRATH & GILCHRIST, P.A.

A T T O R N E Y S A T L A W

HERBERT L. ALLEN
ROBERT DYER
AVA K. DOPPELT
STEPHEN D. MILBRATH
BRIAN R. GILCHRIST
CHRISTOPHER F. REGAN
JEFFREY S. WHITTLE
DAVID L. SIGALOW
RICHARD K. WARTHER
MICHAEL W. TAYLOR*
ENRIQUE G. ESTÉVEZ, Ph.D.

CARL M. NAPOLITANO, Ph.D.**
JACQUELINE E. HARTT, Ph.D.**

* ADMITTED IN NEW YORK AND
MINNESOTA ONLY
** REGISTERED PATENT AGENT

1401 CITRUS CENTER
255 SOUTH ORANGE AVENUE
POST OFFICE BOX 3791
ORLANDO, FLORIDA 32802-3791

TELEPHONE 407 841-2330
FAX 407 841-2343

August 5, 1998

*Intellectual Property:
Patents, Trademarks & Copyrights*

•
*Securities Arbitration
& Litigation*

•
Antitrust & Trade Regulation

•
Business Litigation

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

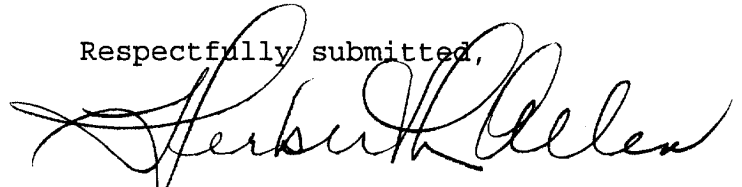
Re: Assignment of U.S. Patents
Our File No. 20830.12

Dear Sir:

Enclosed herewith is an original Assignment document for the seven U.S. Patents from Randall J and Michael H. Houck to MiRan, L.L.C. The "Recordation Form Cover Sheet for Patents Only" has been attached as required. Our firm's check in the amount of \$280.00 to cover the recording fee is also enclosed. Any deficiency or overpayment should be charged to Deposit Account No. 01-0484.

Please record the assignment document and return same to the undersigned. Thank you for your assistance in this matter.

Respectfully submitted,



Herbert L. Allen

HLA/sm
Enclosures