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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Attorney Docket No. 108738

09/24/01

Jc971 U.S. PTO

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To the Director of the U.S. Patent and Trademark Office: Please record the attached original document or copy thereof.

<p>1. A. Name of conveying parties: William J. RAFFERTY William C. FLANNIGAN</p> <p>B. Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. A. Name and address of receiving party: SOUTHWEST RESEARCH INSTITUTE 6220 CULEBRA ROAD SAN ANTONIO, TEXAS</p>
<p>3. A. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>B. Execution Date: <u>September 20, 2001</u></p>	<p>B. Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>4. A. If this document is being filed together with a new application, the execution date of the application is: <u>September 20, 2001</u></p> <p>B. Patent Application No.(s) _____ C. Patent No.(s) _____</p> <p><u>09/98066</u> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>James A. Oliff</u></p> <p>Address: OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, VA 22320</p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. A. Total fee (37 CFR 3.41).....\$ <u>40.00</u> B. Enclosed (Check No. <u>123020</u>)</p> <p>8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.</p>

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.

James A. Oliff
James A. Oliff Registration No. 27,075
J. Adam Naff Registration No. 41,218

Date: September 24, 2001

10/02/2001

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

PATENT
REEL: 012209 FRAME: 0773

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of
William J. Rafferty, et al

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Serial No.: Not Yet Assigned

Action: Assignment

Filed: Herewith

Title: Media Discharge Device

**TO: Commissioner of Patents
and Trademarks
Washington, D. C. 20231**

WHEREAS, we, William J. Rafferty, a citizen of the United States of America, residing at 2122 Fallow Run, San Antonio, Bexar County, Texas, and William C. Flannigan, a citizen of the United States of America, residing at 8302 Kingsway, San Antonio, Bexar County, Texas, are joint inventors of new and useful improvements in **Media Discharge Device** for which we have executed an application for Letters Patent which was filed even date herewith; and WHEREAS, we represent that we are joint owners of said invention and application for Letters Patent; and,

WHEREAS, SOUTHWEST RESEARCH INSTITUTE, hereinafter called "ASSIGNEE," a Texas Corporation having its principal office at 6220 Culebra Road, San Antonio, Bexar County, Texas, is desirous of acquiring our right, title, and interest in and to the said application and the invention therein described and claimed and any Letters Patent that may be issued upon said application or for the invention therein contained;

NOW, THEREFORE, for and in consideration of the sum of Sixty-Five Dollars (\$65.00) lawful money of the United States, and other valuable consideration, to us in hand paid, the receipt and sufficiency whereof we hereby acknowledge, we, the said William J. Rafferty and William C. Flannigan have sold, assigned and transferred, and do hereby sell, assign and transfer unto the said ASSIGNEE, its successors and assigns, our entire right, title and interest in and to (a) said invention and worldwide rights therein, including the right to claim the priority date of said application and all other rights arising under the International Convention for the Protection of Industrial Property; (b) said application, including all divisions, continuations, continuations-in-part and substitutions thereof; and (c) all United States and foreign patents which shall issue on said invention, including

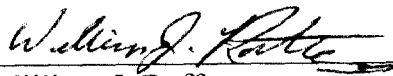
all reissues, renewals, divisions and extensions thereof, for the United States, its territories and possessions and all foreign countries, including the right to file applications for Letters Patent on said invention in any and all foreign countries, the same to be held and enjoyed by said ASSIGNEE, its assigns and successors, as fully and entirely as the same would have been held and enjoyed by us, had this Assignment and sale not been made.

We request that any and all such Letters Patent for said invention be issued to ASSIGNEE, its successors, assigns and legal representatives, or to such nominees as it may designate.

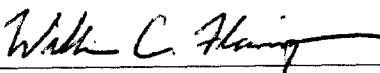
We covenant and agree that we and our executors or administrators will, at any time upon the request and at the expense of said ASSIGNEE, execute and deliver any and all papers and to perform all lawful acts that may be necessary or desirable, in the opinion of said ASSIGNEE, to enable and assist said ASSIGNEE to (a) obtain Letters Patent, both domestic and foreign, on said invention; (b) establish, maintain and secure title in said ASSIGNEE, its successors and assigns, to said invention, application and Letters Patent, including making such title of lawful and public record; and (c) defend, establish or otherwise preserve the validity of said Letters Patent against any and all infringers, and perform such other acts as are necessary to give full force and effect to this Assignment.

ASSIGNORS further covenant with ASSIGNEE that the rights and property herein conveyed are free and clear of any encumbrances, and that ASSIGNORS have the full right to convey the same as herein expressed.

IN TESTIMONY WHEREOF, we have fully executed this Assignment this 20th day of SEPTEMBER, 2001.



William J. Rafferty



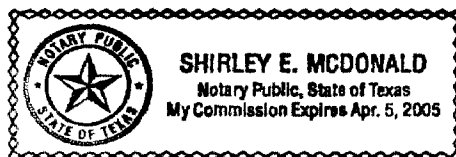
William C. Flannigan

STATE OF TEXAS §
COUNTY OF BEXAR §

BEFORE ME, the undersigned authority, on this day personally appeared William J. Rafferty known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office this 20th day of September, 2001.

Shirley E. McDonald
Notary Public, State of Texas

[illegible]

BEFORE ME, the undersigned authority, on this day personally appeared William C. Flannigan known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office this 20th day of September, 2001.

Shirley E. McDonald
Notary Public, State of Texas

