| FORM PTO-1595 F 10-08-19 | SHEET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office |
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| To the Honorable Commissioner 1011656 | ttached original documents or copy thereof. |
| Name of conveying party(ies): | Name and address of receiving party(ies) |
| William L. GOODMAN and Mark SWEENY | Name: Applied Physics Systems |
| 9/30/99 | Internal Address: |
| Additional name(s) of conveying party(ies) attached? □Yes ■ No | F — |
| 3. Nature of conveyance: | Street Address: 897 Independence Avenue, Suite 1C |
| ■ Assignment □ Merger | |
| □ Security Agreement □ Change of Name | |
| □ Other | City: Mountain View State: California Zip: 94043 |
| | |
| Execution Date: 29 September 1999 | Additional name(s) & 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: 29 September 1999 | |
| A. Patent Application No.(s) | B. Patent No.(s) |
| 156/100,222 | |
| 09/409222 | |
| Additional numbers at | tached? □ Yes ■ No |
| 5. Name and address of party to whom correspondence concerning document should be mailed: | Total number of applications and patents involved: |
| Name: Roland W. Norris | 7. Total fee (37 CFR 1.21(h))\$ 40.00 |
| Internal Address: Pauley Petersen Kinne & Fejer | ■ Enclosed |
| | □ Authorized to be charged to deposit account |
| Street Address: 2800 West Higgins Road | 8. Deposit Account : |
| Suite 365 | (Attach duplicate copy of this page if paying by deposit account) |
| | |
| City: Hoffman Estates State: IL Zip: 60195 | 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 Roland W. Norris 9/20/99 | |
| Name of Person Signing Signature Control Date Regis. No. 32,799 Total number of pages including cover sheet, attachments, and document: 3 | |
| Attorney Mail documents to be recorded with required cover sheet information to: | |
| Docket No.: Assistant Commissioner for Patents, Box Assignments GRI-98-008 Washington, D.C. 20231 | |
| 10/08/1999 DNSUYEN 00000050 09409222 EXPRESS MAIL NO.: EL456498446US | |
| 01 FC:581 40.00 OP DATE OF DEPOSIT: 30 September 1999 | |

PATENT

P1010/10

ASSIGNMENT

WHEREAS, We the following inventors

1. Name: William L. GOODMAN

Residence: Los Altos Hills, California

Post Office Address: 14085 Mulberry Lane

Los Altos Hills, California 94022

Citizenship: United States of America

2. Name: Mark SWEENY

Residence: Belmont, California
Post Office Address: 2241 Village Court #4

Belmont, California 94002

Citizenship: United States of America

hereinafter referred to as ASSIGNORS, have invented certain new and useful improvements in an invention entitled:

DOWNHOLE MAGNETIC DIPOLE ANTENNA

which is described and claimed in an application for Letters Patent of the United States executed by ASSIGNORS on even date herewith, and naming as inventors William L. GOODMAN and Mark SWEENY; said improvements as described and claimed in said application for Letters Patent of the United States, being hereinafter referred to as said "Invention"; and

WHEREAS, Applied Physics Systems, a corporation duly organized and existing under and by virtue of the laws of the State of California and having its principal office and place of business at 897 Independence Avenue, Suite 1C, Mountain View, California 94043, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNORS' entire rights, title and interest in and to said Invention, and in, to and under Letters Patent therefor in the United States and countries foreign thereto;

NOW THEREFORE BE IT KNOWN THAT, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS have sold, assigned, transferred and set over and by these presents do hereby sell, assign, transfer and set over to and unto ASSIGNEE, its successors and assigns ASSIGNORS' entire rights, title and interest in and to said Invention, and in, to and under the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto, and in, to

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PATENT REEL: 010284 FRAME: 0393

ASSIGNMENT

and under all divisions, reissues, continuations, extensions and reexaminations thereof, and covenant that ASSIGNORS have the full right so to do; and the Commissioner of Patents is hereby authorized and requested to issue all United States Letters Patent on said Invention included herein to ASSIGNES, as assignee of ASSIGNORS' entire interest.

ASSIGNORS further agree to communicate to ASSIGNEE or its representatives or agents all facts and information known or available to ASSIGNORS regarding said invention including evidence for interference purposes or for other legal proceedings, whenever requested; to testify in any interference or other proceedings; to execute and deliver, on request, all lawful papers including original, divisional, continuing and reissue applications, renewals, assignments, powers of attorney, declarations, oaths, affidavits, depositions, etc.; and to generally do everything possible to aid ASSIGNEE, its successors and assigns, but at the expense of ASSIGNEE, in obtaining and enforcing proper protection for said invention, in the United States and countries foreign thereto.

9/29/99

Date

9/29/99

Date

William L. GOODMAN

Mork SWPENV

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