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| FORM PTO-1595 (Modified) (Rev. 03-01) OMB No. 0651-0027 (exp.5/31/2002) P08/REV03 | U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office |
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| | marks: Please record the attached original documents or copy thereof. |
| Name of conveying party(ies): | Name and address of receiving party(ies): |
| Nikolas Subotic Christopher Roussi Joseph Burns | Name: Altarum Institute Internal Address: |
| Additional names(s) of conveying party(ies) | No |
| 3. Nature of conveyance: | |
| | Street Address: 3520 Green Court |
| ☐ Security Agreement ☐ Change of Nam | ne |
| ☐ Other | City: Ann Arbor State: MI ZIP: 48105 |
| Execution Date: Oct. 30, 2002 | Additional name(s) & address(es) attached? Yes No |
| 4. Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: | |
| A. Patent Application No.(s) | |
| A. Fatent Application No.(5) | B. Patent No.(s) |
| 10/216,602 | |
| | SECTION |
| Additional numbers attached? Yes No | |
| Name and address of party to whom correspondence concerning document should be mailed: | 6. Total number of applications and patents involved: |
| Name: John G. Posa | 7. Total fee (37 CFR 3.41):\$ 40.00 |
| Internal Address: Gifford, Krass, Groh et al. | Enclosed - Any excess or insufficiency should be credited or debited to deposit account |
| 11/26/2002 LNUELLER 00000208 10216602 | · · |
| 01 FC:8021 40.00 DP | ☐ Authorized to be charged to deposit account |
| Street Address: 280 N. Old Woodward Ave. | 8. Deposit account number: |
| Suite 400 | |
| City: Birmingham State: MI ZIP: 480 | |
| 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. | |
| John G. Posa | Nov. 12, 2001 |
| Name of Person Signing Total number of pages including cover sheet, attachments, and document: Date | |

ASSIGNMENT

For the sum of One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, we, **Nikolas Subotic** of Ann Arbor, Michigan; **Christopher Roussi** of Augusta, Michigan; and **Joseph Burns** of Ann arbor, Michigan, respectively, hereby assign, sell and set over to **Altarum Institute**, a non-profit organization with offices at 3520 Green Court, Ann Arbor, Michigan, hereinafter referred to as ASSIGNEE, its successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to the inventions and discoveries in **ANTENNA STRUCTURES BASED UPON A GENERALIZED HAUSDORFF DESIGN APPROACH** set forth in U.S. patent application Serial No. 10/216,602, filed August 9, 2002, executed by us on the dates set forth below, including the right of said ASSIGNEE, its successors, assigns or other legal representatives to make applications and receive Letters Patent for said inventions and discoveries in any and all foreign countries in its or their own name or names, or in our names, at its or their election, and we hereby assign, sell and set over to said ASSIGNEE, its successors, assigns or other legal representatives, all rights of priority in and to said inventions and discoveries in all countries.

And we hereby agree for ourselves, our heirs, successors, assigns or other legal representatives to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries, and to perform any and all acts which said ASSIGNEE, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over.

And we hereby represent and warrant that we have not granted any rights inconsistent with the rights granted herein.

NIKOLAS 8090TIC

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JOSEPH B

CHRISTOPHER ROUSSI Date: 6/30/2002

> PATENT REEL: 013515 FRAME: 0368

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Subotic et al.

Serial No.: 10/216,602 Group Art Unit: 2821

Filed: August 9, 2002 Examiner:

For: ANTENNA STRUCTURES BASED UPON A GENERALIZED HAUSDORFF DESIGN

APPROACH

CERTIFICATE OF MAILING UNDER 37 CFR 1.8(a)

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

I hereby certify that the attached correspondence comprising:

Assignment Recordation Form Cover Sheet Fee \$40 Postcard

is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Box ASSIGNMENTS Assistant Commissioner for Patents Washington, D.C. 20231

On Nov. 12, 2002.

RECORDED: 11/18/2002

Sheryl L. Harnmer

PATENT REEL: 013515 FRAME: 0369