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U.S. DEPARTMENT OF COMMERCE
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Paul DIAMENT

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3. Nature of conveyance:



Assignment



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Security Agreement



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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)

10/232,769

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Proskauer Rose LLP

Internal Address: _____

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00



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Authorized to be charged to deposit account

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ASSIGNMENT OF PATENT APPLICATION

For value received, the undersigned sell(s), assign(s) and transfer(s) to:

THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK

a corporation organized under the laws of: **New York**
 and having a place of business at: **500 West 120th Street**
New York 10027

and to Assignee's successors, assigns and legal representatives or nominees as it may designate (collectively, hereinafter, "Assignee"), the entire right, title and interest, for:

☐ The United States of America and Its Territories and Commonwealth and Possessions ☒ All countries throughout the world

in and to all inventions and improvements disclosed in an application for United States Patent entitled:

SYSTEMS AND METHODS FOR PROVIDING OPTIMIZED PATCH ANTENNA
EXCITATION FOR MUTUALLY COUPLED PATCHES

The above-entitled United States Patent application was:

☐ executed by the undersigned on: _____
☒ filed in the United States Patent and Trademark Office on: August 30, 2002
 and assigned serial number: 10/232,769
☐ filed as PCT International Application No.: _____ on: _____

The undersigned assign(s) the rights for all patents, divisions, reissues, reexamination certificates, continuing applications and extensions thereof, together with the right of priority of any earlier corresponding patent application filed by the undersigned in the United States or elsewhere.

The undersigned covenant(s) that the rights and property conveyed by this Assignment are free and clear of any encumbrance, and that the undersigned have (has) full right to convey the rights and property as expressed herein.

The undersigned authorize(s) and request(s) that any and all patents on the aforesaid inventions be issued to Assignee.

The undersigned agree(s), when requested, without further charge to Assignee but at its expense, to communicate to Assignee or its representatives all facts known to the undersigned regarding the aforesaid inventions and improvements, testify in any legal proceeding, sign all papers, make all rightful oaths or declarations, execute all divisional, continuing, re-examination and reissue applications and generally perform all acts, which may be necessary, desirable or convenient, to aid Assignee in securing, maintaining and enforcing patents for the aforesaid inventions and improvements in the aforesaid countries, and for vesting title thereto in Assignee.

Date: Nov. 13, 2002

By: Paul Diament
 Name: **Paul DIAMENT**