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To the Honorable Comm	issioner of Patents and	Trademarks:	Please record the a	ttached original do	cuments or copy thereof.
Name of conveying party Douglas H. Werner and F	Name and address of receiving party(ies) Name: Penn State Research Foundation				
2.9	Internal Address:				
Additional name(s) of conveying p	` <u></u>	Yes 🔽 No			
3. Nature of conveyance:					
✓ Assignment		304 Old Main			
Security Agreement	of Name	Street Address: 304 Old Main			
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C. T.		2	City: Univ	ersity Park s	tate: PA_Zip: 16802-7000
Execution Date: September 3, WV3			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 appl	ication, the exec	ution date of th	e application is:
A. Patent Application No.(s) 10/625,158			B. Patent N	lo.(s)	
Additional numbers attached? Yes No					
Name and address of party to whom correspondence concerning document should be mailed: Name: Daniel H. Golub Internal Address:			6. Total number	r of application	s and patents involved:
			7. Total fee (37	7 CFR 3.41)	\$_40.00
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Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

ASSIGNMENT

WHEREAS, we, the undersigned inventors, whose post office addresses are set forth below, have invented and own a certain invention entitled:

Fractile Antenna Arrays and Methods for Producing a Fractile Antenna Array for which an application for Letters Patent of the United States was filed on July 23, 2003 and has been accorded U.S. Serial No. 10/625,158; and

WHEREAS, The Penn State Research Foundation, a non-profit educational institution organized and existing under the laws of the Commonwealth of Pennsylvania and having a place of business at 304 Old Main, University Park, Pennsylvania 16802-7000 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for good and valuable consideration, we hereby sell, assign and transfer to ASSIGNEE the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, divisional, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

WE HEREBY COVENANT that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale; and

WE FURTHER COVENANT that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to us and we will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

-1-

Sptember, 2003.	OF, we have hereunto set h	and and seal this day of		
•	Signature:	dayer H. Werner		
	Name Printed:	Douglas H. Werner 2365 Oak Leaf Drive		
	Post Office Address:			
		State College, PA 16803		
	Citizenship:	USA		
Douglas H. Werner, to me knov assignment, and he acknowledg) ss.) n this 3rd day of 8cpt wn to be the person mention	Equility, 2003, before me personally came ned in and who executed the foregoing he same as his free act and deed for the use and		
purposes therein mentioned. COMMON	WEALTH OF PENNSYLVANIA			
Ruth Colle	Notarial Scal A. Harpster, Notary Public ege Twp., Centre County nission Expires July 10, 2007	Notary Public		
	Signature:			
	Name Printed:	Waroth Kuhirun 4-C Graduate Circle		
	Post Office Address:			
		State College, PA 16801		
	Citizenship:	Thailand		
STATE OF)			
COUNTY OF) ss.)			
Waroth Kuhirun, to me known	to be the person mentioned	, 2003, before me personally came in and who executed the foregoing assignment, its free act and deed for the use and purposes		
		Notary Public		

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Signature:

Name Printed:

Pingjuan L. Werner

Post Office Address:

2365 Oak Leaf Drive

State College, PA 16803

Citizenship:

USA

Attorney Docket No. 057971-5005

STATE OF Pennsylvania)

COUNTY OF Centre)

ss.

RECORDED: 02/09/2004

BE IT KNOWN, that on this 3rd day of September, 2003, before me personally came Pingjuan L. Werner, to me known to be the person mentioned in and who executed the foregoing assignment, and he acknowledged to me that he executed the same as his free act and deed for the use and purposes therein mentioned.

Notary Public

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal
Reth A. Harpster, Notary Public
College Twp., Centre County
My Commission Expires July 10, 2007