FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

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Conveying Party(ies)	Mark if additional names of conveying parties attached Execution Date		
Name (line 1) Brown, Kenneth W.	Month Day Year		
Name (line 2)			
Second Party Name (line 1) Drake, Thomas A.	Execution Date Month Day Year 08/26/99		
Name (line 2)			
Receiving Party	Mark if additional names of receiving parties attached		
Name (line 1) Raytheon Company	If document to be recorded is an assignment and the		
Name (line 2) A Delaware Corporation	receiving party is not domiciled in the United States, an appointment		
Address (line 1) 141 Spring Street	of a domestic representative is attached. (Designation must be a		
Address (line 2)	separate document from Assignment.)		
Address (line 3) Lexington	Massachusetts 02173 State/Country Zip Code		
Domestic Representative Name and			
Name Lenzen, Glenn H., Jr.			
Address (line 1) Raytheon Company			
Address (line 2) 141 Spring Street			
Address (line 3) Lexington, Massachusetts C	02173		
Address (line 4)			
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FORM_PTO-1619B Expires 06/30/99 OMB 0651-0027	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Correspondent Name and Address	Area Code and Telephone Number	310-553-2400
Name Benman & Collins		
Address (line 1) 2049 Century Park East		
Address (line 2) Suite 2740		
Address (line 3) Los Angeles, CA 90067		
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Number of Properties	al number of properties involved.	<b>¥</b> 1
Fee Amount Fee Amount f	or Properties Listed (37 CFR 3.41):	40.00
Method of Payment: Enclo Deposit Account	sed Deposit Account X	
(Enter for payment by deposit account or if addit		<b>#</b> 50-0888
A	uthorization to charge additional fees:	Yes X No

To the best of my knowledge and belief, the foregoing information is true and correct and any

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Statement and Signature

indicated herein.

Name of Person Signing

William J. Benman, Jr.

PATENT REEL: 010210 FRAME: 0670

08/27/99

Date

## Raytheon

## **ASSIGNMENT**

Page 1 of 2 PD-R98204

WHEREAS, I, as below named sole inventor (if only one name is listed below) or joint inventor (if plural names are listed below) of the city and state as stated below next to my name, have invented a(an) FOLDED CAVITY-BACKED SLOT ANTENNA for which application for Letters Patent of the United States has been executed by me on or before this day, or (if the following is completed) filed on \_\_\_\_\_\_ as Serial No. \_\_\_\_\_; and

WHEREAS, RAYTHEON COMPANY, (hereinafter referred to as Raytheon), a Delaware Corporation, having its principal place of business in Lexington, Massachusetts, is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world;

NOW, THEREFORE, in consideration of the obligations voluntarily assumed by me and set forth in an invention agreement between me and my employer, effective the date as stated below next to my name, and other good and valuable consideration, receipt of which is hereby acknowledged, I do hereby sell, assign and transfer to RAYTHEON, its successors, assigns or other legal representatives, the entire and exclusive right, title and interest in and to said invention invented by me, to said application and any and all applications which are continuations, continuations-in-part, divisions or substitutes of said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world on any of said applications and to any and all reexaminations, reissues, renewals or extensions of said Letters Patent in the United States and throughout the world for the full term or terms for which said Letters patent may be granted in the United States and throughout the world; authorize and request The Commissioner of Patents and Trademarks of the United States and all foreign countries to issue all such Letters Patent to said RAYTHEON, its successors, assigns or other legal representatives; covenant that no assignment, sale, agreement, transfer or encumbrance has been, or will be, made or entered into which would conflict with this assignment, sale and transfer; and agree to communicate to RAYTHEON, its successors, assigns or other legal representatives, upon request and at no cost or expense to me, any facts known by me respecting said invention, do all lawful acts, including the execution and delivery of all papers and proper oaths and giving of testimony that is deemed necessary or desirable by RAYTHEON, its successors, assigns or other legal representatives with regard to said invention for protecting, obtaining, maintaining and enforcing any and all of said Letters Patent in the United States and throughout the world for said invention and for perfecting, affirming, recording and maintaining the title of RAYTHEON, its successors, assigns or other legal representatives, and generally cooperate to the fullest extent in all matters pertaining to said invention, and any and all of said Letters Patent and the title thereto in RAYTHEON, its successors, assigns or other legal representatives.

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PATENT REEL: 010210 FRAME: 0671

## Raytheon

ASSIGNMENT Page 2 of 2 PD-R98204

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE		DATE .		
Kenneth W. Brown	Comet to See		8/26/99		
RESIDENCE (CITY AND STATE)		1 .	ON AGREEMENT DATE		
Yucaipa, CA		7/1	7/84		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE		DATE		
Thomas A. Drake	Thomas a Drake		8/26/99		
RESIDENCE (CITY AND STATE)		INVENTIO	8/26/99 ON AGREEMENT DATE		
Yucaipa, CA		7	10/18		
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE		DATE		
RESIDENCE (CITY AND STATE)		INVENTIO	N AGREEMENT DATE		
STATE OF California  COUNTY OF San Bernardino  On 26 August 1999 before me, REBECCA ASKanase  a Notary Public in and for said State, personally appeared Kenneth W. Brown and  Thomas A. Drake  Apersonally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.					
WITNESS my hand and official seal.					
	Materia District	1/1/5	HAMASO		

Conventation # 1128991
Natury Public — Conforms
ten Sementino County

Notary Public

PATENT REEL: 010210 FRAME: 0672