06-07-1999

FORM PTO-1595 1-31-92 5-25-99 1010568	U.S. DEPARTMENT OF COMMERCE EET Patent and Trademark Office 12 Please record the attached original documents or copy thereof.
Name and Address of Conveying Party(ies):	2. Name and Address of receiving Party(ies):
Stephen C. Dutka 15071 East Gunnison Place Aurora, Colorado 80012	Name: Raytheon Company Internal Address:
Individual/Citizenship: <u>United States of America</u>	Street Address: 141 Spring Street
Additional name(s) of conveying party(ies) attached? YesX No	City: Lexington State: MA Zip: 02173
3. Nature of conveyance: X Assignment Merger Security Agreement Change of Name Other	a Delaware Corporation
Execution Date: April 14, 1999	Additional name(s) & address(es) Additional name(s) & address(es) Yes X No
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application	n, the execution date of the application is: April 14, 1999
A. Patent Application No.(s) 7	B. Patent No.(s) Additional Numbers attached? Yes X No
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: One
Name: Wei Wei Jeang, Esq.	7. Total Fee (37 CFR 3.41): \$40.00
Internal Address: BAKER & BOTTS, L.L.P.	X Enclosed
Street Address: 2001 Ross Avenue	Authorized to be charged to deposit account
City: Dallas State: Texas Zip: 75201-2980	8. Deposit account number:
Sup. 15201 2500	(Attach Duplicate Copy of this page if paying by deposit account)
DO NOT US	SE 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. Wei Wei Jeang Name of Person Signing Name of Person Signing Signature	
OVD N. 0661 0011 (4/04)	Total number of pages including cover sheet 3
OMB No. 0651-0011 (exp.4/94)	oh Akis monitor
Do not detach this portion Mail documents to be recorded with required cover sheet information:	
•	
6/04/1999 DNGUYEN 00000173 09318337 1 FC:581 40.00 OP Commissioner of Patent and Trademarks Box Assignments Washington, D.C. 20231	

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project, (0651-0011), Washington, D.C. 20503.

DAL01:454051.1 065597.0110

ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, said application having been executed on the date set forth below; and

WHEREAS, Raytheon Company (hereinafter referred to as "Assignee"), a Delaware Corporation, with an address of 141 Spring Street, Lexington, Massachusetts 02173, desires to acquire my entire right, title and interest in and to the invention, and in and to said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, continuations, continuations-in-part and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to Assignee.

I also assign to Assignee, all right, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

I will communicate to Assignee any facts known to me respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

PATENT REEL: 009993 FRAME: 0516 2

Title of Invention:

APPARATUS AND METHOD FOR DETERMINATION OF A RECEIVER POSITION

Signature of Inventor: Inventor's Name:

Stephen C. Dutka

Residence (City, County, State)

Aurora, Arapahoe, Colorado

Date:

14 APR

Date Application Executed:

DAL01:435870.1 065597.0110

RECORDED: 05/25/1999

PATENT REEL: 009993 FRAME: 0517