

03-19-2008

To the Director of the U.S. Patent



documents or the new address(es) below.

1. Name of conveying party(ies)

103490338

Address of receiving party(ies)

Kaichiang Chang  
William Kennedy

Name: Raytheon Company

Internal Address: \_\_\_\_\_

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) March 10, 2008

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

Street Address: 870 Winter Street

City: Waltham

State: MA

Country: U.S. Zip: 02451

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Kirk Teska

Internal Address: Iandiorio Teska & Coleman

Street Address: 260 Bear Hill Road

City: Waltham

State: MA Zip: 02451

Phone Number: (781) 890-5678

Fax Number: (781) 890-1150

Email Address: kirk@iandiorio.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_

Expiration Date \_\_\_\_\_

b. Deposit Account Number 09-0002

Authorized User Name \_\_\_\_\_

9. Signature: \_\_\_\_\_

Signature

Kirk Teska

Name of Person Signing

03/18/2008 10:01 AM March 12, 2008

01 PD:0021

Date 40.00 GP

Total number of pages including cover

3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

## ASSIGNMENT

WHEREAS, we, the signatories hereto, have invented an improvement entitled ADAPTIVE PROCESSING METHOD OF CLUTTER REJECTION IN A PHASED ARRAY BEAM PATTERN (Raytheon Case No. 07E024/ESR/2007-00182) and have executed an application for United States patent based thereon on the date set forth below;

WHEREAS, RAYTHEON COMPANY, of Waltham, Massachusetts 02451, U.S.A., a corporation duly organized and existing under and by virtue of the laws of the State of Delaware, U.S.A., is desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for one dollar and other good and valuable consideration, receipt of all of which is hereby acknowledged, we have agreed to and do hereby sell, assign and transfer unto said corporation the entire right, title and interest, in and throughout the world, in and to said invention, said application and any and all patents (including extensions thereof) of any country, which have been or may be granted on said invention or any part thereof, or on said application or any divisional, continuing, substitute or reissue application based in whole thereon, or based upon said invention, and without limiting the generality of the foregoing, we also do hereby sell, assign and transfer unto said corporation all our rights under the International Convention and all other treaties of like purpose, in respect of said invention and application, and we authorize said corporation to apply for patents on said invention or any part thereof, in all countries, claiming the priority of the filing date of said application in the United States of America under the provisions of said international Convention or any such other treaty;

TO BE HELD AND ENJOYED by said corporation, its successors and assigns to the full ends of the respective terms for which said patents or any of them have been or may be granted, as fully and entirely as the same would have been held and enjoyed by me had no sale, assignment or transfer of said right, title or interest been made;

AND we do hereby authorize and request the Commissioner of Patents of the United States of America and the corresponding Office of each country foreign thereto to issue any and all United States and foreign patents which may be granted upon said applications or any of them in the United States and all other countries, or upon said invention or any part thereof, to said corporation, its successors or assigns.

AND we hereby agree for ourselves and for our heirs, executors and administrators, to execute without additional consideration any further lawful documents and any further assurances, and any applications for patents of any country, that might be deemed necessary by said corporation, its successors or assigns, fully to secure to said corporation its successors or assigns, its interest as aforesaid in and to said invention or any part thereof, and in and to said several patents or any of them, all, however, at the expense of said corporation, its successors or assigns.

AND we hereby covenant for ourselves and our legal representatives, and agree with said corporation, its successors and assigns, that we have granted no right or license to make, use or sell said invention to anyone except said corporation, that prior to the execution of

this our right, title and interest in said invention had not been otherwise encumbered, and that we have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, WE, Kaichiang Chang, and William Kennedy, have hereunto set our hands and affixed our seals this 10 day of March, 2008.

N/ Kaichiang Chang  
Kaichiang Chang

N/ William Kennedy  
William Kennedy

ACKNOWLEDGEMENT

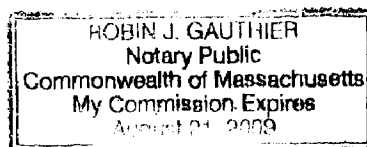
Commonwealth of Massachusetts }  
County of Middlesex }

On this 10 day of March, 2008, before me, a Notary Public within this state, personally appeared the above-named Kaichiang Chang, and William Kennedy, they personally known by me to be the identified persons named in and who executed the foregoing instrument, and subscribed the same in my presence, and they acknowledged that they executed the same as their voluntary and free act and deed.

[Notary's  
seal here]

N/ Robin J. Gauthier  
Notary Public

My commission expires: August 21, 2009



RAY-178J  
KT/dmg

RECORDATION FORM COVER SHEET  
**PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Kaichiang Chang  
William Kennedy

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**9. Signature:** \_\_\_\_\_

Signature

March 12, 2008

Date

Kirk Teska

Name of Person Signing

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