

10/13/2011



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BOX ASSIGNMENTS OCT 11 2011

RECC PATENT

TO THE DIRECTOR OF THE U.S. PATENT AND TRADEMARK OFFICE:  
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. NAME OF CONVEYING PARTY(IES) (ASSIGNOR(S)):

1. **Trident Space & Defense LLC**

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED?  YES  NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: **TeleCommunication Systems, Inc.**  
ADDRESS: **275 West Street, Suite 400, Annapolis, Maryland 21401**

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED?  YES  NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation -- multiple copies of same Assignment signed by different inventors is one document.)

ASSIGNMENT OF:  WHOLE  PART INTEREST **EXEC. DATE: October 5, 2011**  
 CHANGE OF NAME  VERIFIED TRANSLATION  
 SECURITY  MERGER  OTHER:

4. EXECUTION DATES(S) ON THE DECLARATION IF FILED HEREWITH:  
(NOTE: IF DATES  $\updownarrow$  DIFFER, SEE ATTORNEY!!)

4.5 APPL. OR PATENT NUMBER(S) - OTHERS ON ADD'L SHEET(S) ATTACHED?  YES  NO

A. PAT. APP. NO.(S) series code/serial no.	MATTER #	1ST INVENTOR if not in item 1	B. PATENT NO(S)	MATTER #	1ST INVENTOR if not in item 1
11/939,084	20-255	JONES			

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

**MANELLI SELTER PLLC**  
2000 M Street, NW Suite 700  
Washington, DC 20036

6. NUMBER INVOLVED:  
APPLNS 1 + PATS = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581) .....  
ABOVE TOTAL X \$40 = \$40

5.5 ATTORNEY DOCKET:

8. IF ABOVE FEE IS MISSING OR INADEQUATE, CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 50-0687

20-255	20-255	UNDER ORDER NO: 20-255	20-255
MATTER NO.	CLIENT REFERENCE	duplicate sheet not required	CLIENT/MATTER

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.

*William H. Bollman*

Attorney: William H. Bollman  
Reg. No. 36,457  
WHB

10. Total number of pages including this cover sheet, attachments and document (do not file duplicate cover sheet) **6** **40.00 DP**

10/14/2011 AMULI INS 00000016 11939004

DATE: **October 11, 2011**

TEL. (202) 261-1020

FAX. (202) 887-0336

FILE WITH PTO RETURN RECEIPT

**SOLE TO CORPORATE  
ASSIGNMENT**

WHEREAS, the undersigned Roydn Jones, hereinafter termed the "Inventor" has invented certain new and useful improvements in:

***RADIATION-SHIELDED SEMICONDUCTOR ASSEMBLY***

and has filed a provisional application for United States patent disclosing and identifying the invention, the said provisional application having been filed on 13 November 2006 as U.S. Application No. 60/865,603; and has filed a non-provisional application for United States patent disclosing and identifying the above invention, the non-provisional application having been filed on 13 November 2007 as U.S. Application No. 11/939,084 OR is filing such a non-provisional application herewith; and has executed an oath or declaration of inventorship for such non-provisional application on:

the 8<sup>th</sup> day of JANUARY, 2007,

hereinafter termed the "Applications"; and

WHEREAS, Trident Space & Defense, LLC, a corporation of the state of Delaware, having a place of business at 19951 Mariner Ave, Bldg. 157, Torrance, California 90503 (hereinafter termed the "Assignee") is desirous of acquiring the entire right, title and interest in and to the Applications and the invention disclosed therein, and in and to any and all embodiments of the invention, heretofore conceived, made, or discovered jointly or severally by said Inventor (all collectively hereinafter termed the "Invention") and in and to any and all patents, inventors' certificates, and other forms of protection (hereinafter termed the "Patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged by the Inventor:

1. The Inventor has assigned to the Assignee, and does hereby sell, assign, transfer and convey to the Assignee all right, title and interest (a) in and to the Invention and the Applications; and (b) in and to all rights to apply for foreign patents (including patent, utility model and industrial designs) on the Invention pursuant to the International Convention for the Protection of Industrial Property or otherwise, including the right to claim priority from the Applications; and (c) in and to any and all applications filed and any and all patents granted on the Invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extension of any of said patents.

2. The Inventor hereby covenants and agrees to cooperate with the Assignee to enable the Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by the Inventor shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by the Assignee (a) for perfecting in the Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering the Invention; (d) for filing and prosecuting applications for reissuance of any said Patents; (e) for interference or other priority proceedings

involving the Invention; and (f) for legal proceedings involving the Invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by the Inventor in providing such cooperation shall be paid for by the Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representatives, and shall be binding upon the Inventor, his heirs, legal representatives and assigns.

4. The Inventor hereby warrants and represents that he has not entered into and will not enter into any assignment, contract, or understanding in conflict herewith.

IN TESTIMONY WHEREOF, the Inventor has executed and delivered this instrument to the Assignee as of the date written below.

  
\_\_\_\_\_  
Roydn Jones

JANUARY 8th, 2008.  
Date

## ASSIGNMENT AND AGREEMENT

THIS PATENT ASSIGNMENT (this "Assignment") is by and between **Trident Space & Defense LLC**, a corporation in the State of **Delaware**, having an office at 275 West Street, Suite 400, Annapolis, Maryland, 21401, U.S.A., (**ASSIGNOR**) and **TeleCommunication Systems, Inc.**, a corporation of the State of **Maryland**, having an office at 275 West Street, Suite 400, Annapolis, Maryland, 21401, U.S.A (**ASSIGNEE**).

### RECITALS

- A. WHEREAS, ASSIGNOR presently owns or controls certain patent applications listed in the attached Appendix A (hereinafter "TRANSFERRED PATENT APPLICATIONS), and;
- B. WHEREAS, ASSIGNOR desires to transfer, assign, convey, deliver, and vest all of its interests and rights in TRANSFERRED PATENT APPLICATIONS for all countries, jurisdictions and political entities of the world, to and in **TeleCommunication Systems, Inc.**

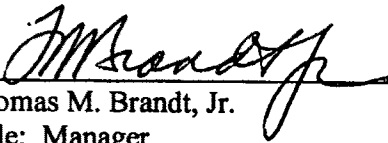
NOW, THEREFORE, in consideration of good and valid consideration, the receipt and sufficiency of which are hereby acknowledged, the parties, intending to be legally bound, agree as follows:

ASSIGNOR, subject to existing rights and licenses of third parties, does hereby assign, convey and transfer and deliver, and agrees to assign, convey, transfer and deliver to **TeleCommunication Systems, Inc.**, its successors, assigns and legal representatives or nominees, ASSIGNOR'S entire right title and interest, for all countries, jurisdictions and political entities of the world, along with the right to sue for past infringement to all TRANSFERRED PATENT APPLICATIONS, and corresponding counterpart foreign applications and patent applications, with respect to which, and to the extent to which, ASSIGNOR now has or hereafter the right to so assign, convey, transfer and deliver. **TeleCommunication Systems, Inc.** recognizes that ASSIGNOR hold only bare legal title to the TRANSFERRED PATENT APPLICATIONS.

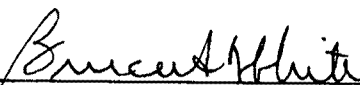
ASSIGNOR agrees that, upon request it will, at any time without charge to **Trident Space & Defense LLC**, but at **TeleCommunication Systems, Inc.**'s expense, furnish all necessary documentation relating to or supporting chain of title, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for vesting title to TRANSFERRED PATENT APPLICATIONS in **TeleCommunication Systems, Inc.**, its successors, assigns and legal representatives or nominees; including but not limited to any acts which may be necessary, desirable or convenient for claiming said rights and for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in **TeleCommunication Systems, Inc.** and respective successors, assigns and legal representatives or nominees.

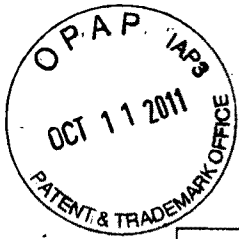
IN WITNESS WHEREOF, the parties have caused this PATENT ASSIGNMENT to be executed by their duly authorized representatives as of the Effective Date.

**Trident Space & Defense LLC**

By:   
Thomas M. Brandt, Jr.  
Title: Manager  
Date: 10/5/11

**TeleCommunication Systems, Inc.**

By:   
Bruce A. White  
Title: Secretary  
Date: 10/5/2011



APPENDIX A – U.S. Patent Applications

U.S Patent Application	Filing Date
11/939,084	November 13, 2007
12/814,180	June 11, 2010
13/199,208	August 22, 2011
12/930,104	December 27, 2010
12/930,105	December 27, 2010
12/930,106	December 27, 2010