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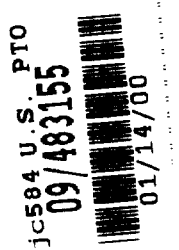
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COMMISSIONER OF PATENTS AND TRADEMARKS
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09/483155

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Joseph K. Cross

01/31/2000 VTOMLER 0000025 09/483155
04 FC:581

Name: Lockheed Martin Tactical Defense Systems
Street Address: 3333 Pilot Knob Road
City: Eagan
State: Minnesota Zip: 55121-2034

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: January 10, 2000

PATENT
REEL: 010512 FRAME: 0735

4. Application number(s) or registration number(s):

If this document is being filed together with a new application, the execution date of the application is: January 10, 2000

A. Patent Application No.(s):

B. Patent No.(s):

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

Name: Paul T. Dietz, Esq.
NIKOLAI, MERSEREAU & DIETZ, P.A.
Street Address: 900 Second Avenue South, #820
City: Minneapolis State: MN Zip: 55402-3325

6. Number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): \$40.00
 A check is enclosed.

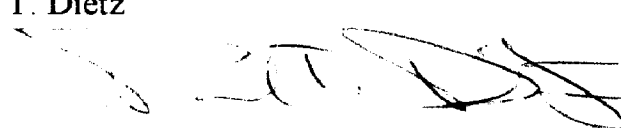
8. The Commissioner is authorized to charge any fees or refund any overpayment under 37 CFR 1.16 and 1.17 which may be required by this paper to Deposit Account No. 08-1265.

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.

Name of Person Signing

Paul T. Dietz

Date: January 14, 2000


Total number of pages including cover sheet, attachments and document: 4

ASSIGNMENT

WHEREAS, I, Joseph K. Cross, a citizen of the United States of America, and residing at 6820 Valley View Road South, Edina, Minnesota 55439, am the inventor of that certain invention disclosed and claimed in the application for United States Letters Patent, executed on JANUARY 10, 2000, and entitled "SYSTEM AND METHOD FOR PROBABILISTIC QUALITY OF COMMUNICATION SERVICE DETERMINATION"; and

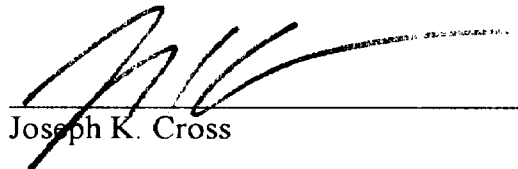
WHEREAS, Lockheed Martin Tactical Defense Systems, a corporation organized and existing under the laws of the State of Minnesota, and having its principal place of business at 3333 Pilot Knob Road, Eagan, Minnesota 55121-2034, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid by said Lockheed Martin Tactical Defense Systems, and for other good and valuable consideration, the receipt of all of which is hereby acknowledged, I, Joseph K. Cross, have sold, assigned and transferred, and by these presents do hereby sell, assign and transfer unto said Lockheed Martin Tactical Defense Systems, the full and exclusive right to the said above identified invention in the United States and its territorial possessions and in all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations and extensions thereof.

I hereby authorize and request the Patent Office officials in the United States and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said Lockheed Martin Tactical Defense Systems, as assignee of my entire right, title and interest in and to the same, for the sole use and behalf of said Lockheed Martin Tactical Defense Systems, its successors and assigns.

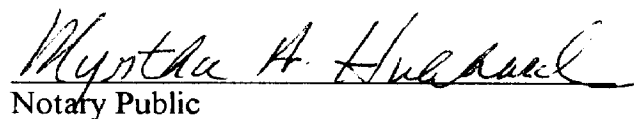
Further, I agree that I will communicate to said Lockheed Martin Tactical Defense Systems or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said Lockheed Martin Tactical Defense Systems make all rightful oaths and generally do everything possible to aid said Lockheed Martin Tactical Defense Systems, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10th day of JANUARY, 2000.


Joseph K. Cross

STATE OF MINNESOTA)
COUNTY OF DAKOTA)ss.

On this 10th day of JANUARY, 2000, before me, a Notary Public for and within the County aforesaid, personally appeared Joseph K. Cross, to me known to be the person described in the foregoing Assignment, and he acknowledged to me that he executed the same as his free act and deed.


Notary Public

(SEAL)

