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## MAIL STOP ASSIGNMENT RECORDATION SERVICE

Commissioner for Patents

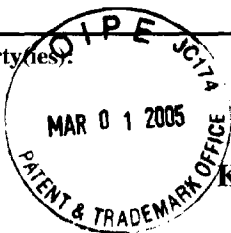
P.O. Box 1450

Alexandria, VA 22313-1450

Patent and Trademark Office:

Assignment(s) or new address(es) below.

## 1. Name of Conveying Party(ies):



Keith KASTELLA

Ralph S. CONTI

Kenneth A. AUGUSTYN

Execution Date: January 12, 2005; January 11, 2005; January 11, 2005

Additional name(s) of conveying party(ies) attached?

☐ Yes☒ No

## 2. Name and Address of Receiving Party(ies):

Name: General Dynamics Advanced Information Systems Inc.

Name:

Address: 1421 Jefferson Davis Highway

Address:

Suite 600

Arlington, Virginia 22202

Country: USA

Country:

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

## 3. Nature of Conveyance:

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

## 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):11/013,946

Others on additional sheet(s) attached?

☐ Yes☒ No

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

**Kevin T. Duncan**

Intellectual Property Department

Hunton &amp; Williams LLP

1900 K Street, N.W.; Suite 1200

Suite 1200

Washington, DC 20006-1109

(202) 955-1500 (telephone)

(202) 778-2201 (facsimile)

## 6. Total number of applications and patents involved:

Application(s): 1

+ Patent(s): \_\_\_\_\_

= Total: 17. Total Fee (37 CFR 1.21(h) & 3.41) \$ 40.00☐ Authorized to be charged to Deposit Account☒ Enclosed☐ None required (government interest not affecting title)

## 8. Payment Information

Deposit Account No.: 50-0206☒ Charge any underpayment or credit any overpayment to above Deposit Account

## 9. Signature

Jeffrey Scott Leaning, Reg. No. 51,184

Name of Person Signing

  
Signature
March 1, 2005

Date

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

03/03/2005 DDYNE 00000296 11013946

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## ASSIGNMENT

WHEREAS, WE, **Keith KASTELLA**, residing at 14230 North Lake Road, Gregory, Michigan 48137; **Ralph CONTI**, residing at 1230 Westmoorland Blvd., Ypsilanti, Michigan 48197; **Kenneth AUGUSTYN**, residing at 47880 Thoreau, Plymouth, Michigan 48170; have invented certain new and useful improvements in and to the subject matter of:

### SECURE QUANTUM KEY DISTRIBUTION USING ENTANGLED PHOTONS

described in an application for United States Letters Patent filed on **December 17, 2004**, and accorded Application No. **11/013,946**;

AND, WHEREAS, **General Dynamics Advanced Information Systems, Inc.**, organized under the laws of the State of Delaware, having a place of business located at **1421 Jefferson Davis Highway, Suite 600, Arlington, Virginia 22202, USA** (hereinafter "ASSIGNEE"), is desirous of acquiring certain rights to the improvements and under the application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration, receipt of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said improvements, said United States application, any other United States applications, including provisional, divisional, renewal, substitute, continuation, reexamination and reissue applications, based in whole or in part on said United States application or in whole or in part on said improvements, any foreign applications, including international and regional applications, based in whole or in part on any of the aforesaid United States applications or in whole or in part on said improvements, and in and to any and all letters patent, including extensions thereof, of any country which have been or may be granted on any of the aforesaid applications or on said improvements or any parts thereof;

AND WE hereby authorize and request our agents, **Hunton & Williams LLP**, whose address is **1900 K Street, Suite 1200, Washington, DC 20006-1109**, to insert hereon any identification necessary or desirable for recordation of this document, including the filing date and application number of said application when known.

AND WE hereby agree for ourselves and our heirs, executors and administrators to execute without further consideration any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-referenced application or in the preparation or prosecution of any continuing, substitute, divisional, renewal, reexamination or reissue application or in any amendments, extensions or interference proceedings, or other applications for patents of any region or country, that may be necessary to secure to ASSIGNEE its interest and title in and to said improvements or any parts thereof, and in and to said several patents or any of them;

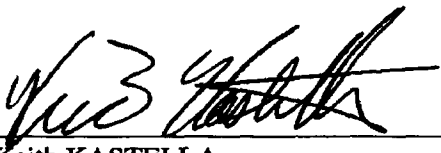
AND WE hereby covenant for ourselves and our legal representatives, and agree with said ASSIGNEE, its successors and assigns, that we have granted no right or license to

make, use, sell or offer to sell said improvements, to anyone except said ASSIGNEE, that prior to the execution of this deed, our right, title and interest in said improvements had not been otherwise encumbered, and that we have not and will not execute any instrument in conflict therewith;

AND WE do hereby authorize and request the Director of the United States Patent and Trademark Office to issue any and all letters patent which may be granted upon said United States applications, or upon said improvements or any parts thereof when granted, to said ASSIGNEE.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

12 Jan 2005  
Date

  
Keith KASTELLA

County of Washtenaw )  
State of Michigan )

ss:

**ESTLE D. MARION  
NOTARY PUBLIC WASHTENAW CO., MI  
MY COMMISSION EXPIRES May 9, 2005**

On this 12 day of January, 2005, before me a Notary Public in and for the County and State aforesaid, personally appeared Keith KASTELLA, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.

Melinda Marion  
Notary Public

(SEAL)

My Commission Expires May 9, 2005



1-11-2005  
Date

Ralph J. Conti  
Ralph CONTI

County of Washtenaw )  
State of Michigan )

ss:

NOTARY PUBLIC WASHTENAW CO., MI  
MY COMMISSION EXPIRES May 9, 2005

On this 11 day of January, 2005, before me a Notary Public in and for the County and State aforesaid, personally appeared Ralph CONTI, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.

Melinda Marion  
Notary Public

(SEAL)

My Commission Expires May 9, 2005



1/11/2005  
Date

Kenneth Augustyn  
Kenneth AUGUSTYN

County of Washtenaw )

) ss:

State of Michigan )

**MELINDA MARION**  
**NOTARY PUBLIC WASHTENAW CO., MI**  
**MY COMMISSION EXPIRES May 9, 2006**

On this 11 day of January, 2005, before me a Notary Public in and for the County and State aforesaid, personally appeared Kenneth AUGUSTYN, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.

Melinda Marion  
Notary Public

(SEAL)

My Commission Expires May 9, 2005

