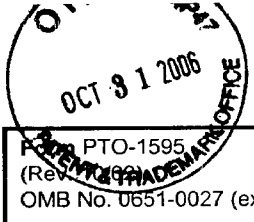


10.31.06



11-03-2006



103331973

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

Attorney Docket No. 1160.44736X00

PTO-1595
(Rev. 10/1999)
OMB No. 0651-0027 (exp. 6/30/2005)

To the Honorable Commissioner of Patents, please return the attached original documents or copy thereof.

1. Name of conveying party(ies):
Ravinderpal Singh SANDHU
Brett Jason SCHOPPERT
Ravi GANESAN
Mihir BELLARE
Colin Joseph DESA

2. Name and address of receiving party(ies)
Name: **TriCipher, Inc.**

Street Address: **1900 Alameda de las Pulgas
Suite 112
San Mateo, CA 94403**

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

3. Nature of conveyance/ Execution Date: **February 14, 2005;
March 2, 2005; March 19, 2005; April 4, 2005; February
14, 2005.**
 Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other **CORRECTED ASSIGNMENT -- Some of the
Execution Dates were incorrectly reversed for some of
the inventors on just the previous Notice of
Recordation.**

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

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

A. Patent Application No.(s)
11/055,988

This document is being filed together with a new application.

B. Patent Registration No.(s)

Additional number(s) attached Yes No

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

Name: **ANTONELLI, TERRY, STOUT & KRAUS, LLP**

Internal Address:

1300 NORTH 17TH STREET - SUITE 1800

City: **ARLINGTON** State: **VA** Zip **22209**

Phone Number: (703) 312-6600
Facsimile Number: (703) 312-6666
Email Address: email@antonelli.com

6. Total number of applications and patents involved **1**

7. Total fee (37 CFR 3.41)..... \$
 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: 01-2135

Authorized User Name:

DO NOT USE 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.

Alfred A. Stadnicki, Reg#30,226

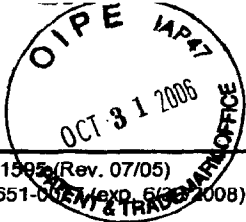
Name of Person Signing

Signature

October 31, 2006

Date

Total number of pages including cover sheet, attachments, and document: (12)



11-25-2005

AAS 1160-44736X00

Form PTO-1595 (Rev. 07/05) R
OMB No. 0651-0057 (exp. 6/30/2008)



U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

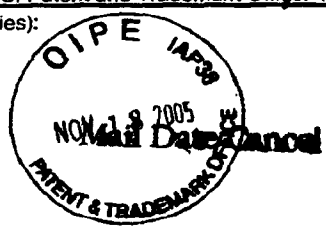
103126558

Attorney Docket No. 1160.44736X00

11-18-05

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):
Ravinderpal Singh SANDHU
Brett Jason SCHOPPERT
Ravi GANESAN
Mihir BELLARE
Collin Joseph deSa



2. Name and address of receiving party(ies)
Name: TriCipher, Inc.

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

3. Nature of conveyance/Execution Date(s):
Execution Date(s) Feb. 14, 2005; March 2, 2005; April 4, 2005

- Assignment
 - Security Agreement
 - Joint Research Agreement
 - Government Interest Assignment
 - Executive Order 9424, Confirmatory License
 - Other CORRECTED ASSIGNMENT - Resubmitting corrected Cover Sheet with correct spelling of 5th Inventor's name and also listing Execution Dates of all the Inventors.
- Merger
 - Change of Name

Street Address: 1900 Alameda de las Pulgas
Suite 112
San Mateo, CA 94403

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

4. Application or patent numbers(s): This document is being filed together with a new application.

A. Patent Application No.(s) 11/055,988
B. Patent Registration No.(s)

Additional number(s) attached Yes No

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

Name: **ANTONELLI, TERRY, STOUT & KRAUS, LLP**

Internal Address:

1300 NORTH 17TH STREET - SUITE 1800

City: **ARLINGTON** State: **VA** Zip **22209**

Phone Number: 703-312-6000
Fax Number: 703-312-6668
Email Address: email@antonelli.com

6. Total number of applications and patents involved

7. Total fee (37 CFR 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 06/06
b. Deposit account number: 01-2135
11/21/2005 JAD901 9898101 11855988
Authorized User Name 01 FT:0821 **48.00 DP**

DO NOT USE THIS SPACE

Alfred A. Stadnicki, Reg#30,226 Resubmitting 11/18/2005
Name of Person Signing Signature Date

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

ASSIGNMENT

WHEREAS, I/we (as applicable), Ravinderpal Singh SANDHU, Brett Jason SCHOPPERT, Ravi GANESAN, Mihir BELLARE and Collin Joseph deSa have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled "AUTHENTICATION PROTOCOL USING A MULTI-FACTOR ASYMMETRIC KEY PAIR", for which an application for United States Letters Patent [X] is filed herewith or [] was filed on February 14, 2005 as Application Serial No. _____;

AND WHEREAS, I/we hereby acknowledge my/our obligation to transfer the entire right, title and interest to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefore to TriCipher, Inc. (hereinafter referred to as **ASSIGNEE**), a corporation organized and existing under the laws of the State/Commonwealth of California and having an address of 1900 Alameda de las Pulgas, Suite 112, San Mateo, CA 94403;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we do hereby sell, assign, transfer and set over unto said **ASSIGNEE**, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention including rights to priority under the International Convention of Paris (1883), as amended;

UPON SAID CONSIDERATIONS, I/we hereby acknowledge and agree that I/we have not and will not execute any writing or do any act whatsoever conflicting with these presents, and that we will, at any time upon request, without further or additional consideration but at the expense of said **ASSIGNEE**, execute such additional assignments and other writings, for example statements and other affidavits, and do such additional acts, for example giving testimony, as said **ASSIGNEE** may deem necessary or desirable to perfect the **ASSIGNEE's** enjoyment of rights granted in said invention, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in any proceedings or transactions involving such applications or patents, including those relating to the enforcement of any rights or chose in action accruing as a result of said applications or patents, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the successors, assigns and legal representatives of me/us and **ASSIGNEE**;

AND I/we request the Commissioner of Patents and Trademarks to issue

any Letters Patent of the United States which may be issued for said invention to said **ASSIGNEE**, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

Date: 2/14/05

Name: Ravinderpal S Sandhu
(signed)

Ravinderpal Singh SANDHU,

State/Commonwealth of: Virginia
County of: Arlington

Then personally appeared the above- named Ravinderpal Singh Sandhu of TalCipher, Inc., this 14th day of February, 2005, to me personally known and known to me to be the person described in and who executed the foregoing assignment and acknowledged the same to be his or her own free act and deed, before me.

Mama L. Hewi
Notary Public
My commission expires 2/28/2009

Date: _____

Name: _____
(signed)

Brett Jason SCHOPPERT

State/Commonwealth of: _____
County of: _____

Then personally appeared the above-named _____ of _____, this _____ day of _____, _____, to me personally known and known to me to be the person described in and who executed the foregoing assignment and acknowledged the same to be his or her own free act and deed, before me.

Notary Public

any Letters Patent of the United States which may be issued for said invention to said **ASSIGNEE**, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

Date: _____ Name: _____
(signed)

Ravinderpal Singh SANDHU,

State/Commonwealth of: _____
County of: _____

Then personally appeared the above- named _____
of _____,
this ____ day of _____, _____, to me personally known and
known to me to be the person described in and who executed the foregoing
assignment and acknowledged the same to be his or her own free act and deed,
before me.

Notary Public
My commission expires _____

Date: 2 MAR 2005

Name: [Signature]
(signed)

Brett Jason SCHOPPERT

State/Commonwealth of: V. A.
County of: FAIRFAX

Then personally appeared the above-named Brett Jason Schoppert
of _____,
this 02 day of MARCH, 2005, to me personally known and
known to me to be the person described in and who executed the foregoing
assignment and acknowledged the same to be his or her own free act and deed,
before me.



Jasleen Sethi
Notary Public

ASSIGNMENT

WHEREAS, I/we (as applicable), Ravinderpal Singh SANDHU, Brett Jason SCHOPPERT, Ravi GANESAN, Mihir BELLARE and Collin Joseph deSa have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled "AUTHENTICATION PROTOCOL USING A MULTI-FACTOR ASYMMETRIC KEY PAIR", for which an application for United States Letters Patent [] is filed herewith or [X] was filed on February 14, 2005 as Application Serial No. 11055,900 ;

AND WHEREAS, I/we hereby acknowledge my/our obligation to transfer the entire right, title and interest to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefore to TriCipher, Inc. (hereinafter referred to as **ASSIGNEE**), a corporation organized and existing under the laws of the State/Commonwealth of California and having an address of 1900 Alameda de las Pulgas, Suite 112, San Mateo, CA 94403;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we do hereby sell, assign, transfer and set over unto said **ASSIGNEE**, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention including rights to priority under the International Convention of Paris (1883), as amended;

UPON SAID CONSIDERATIONS, I/we hereby acknowledge and agree that I/we have not and will not execute any writing or do any act whatsoever conflicting with these presents, and that we will, at any time upon request, without further or additional consideration but at the expense of said **ASSIGNEE**, execute such additional assignments and other writings, for example statements and other affidavits, and do such additional acts, for example giving testimony, as said **ASSIGNEE** may deem necessary or desirable to perfect the **ASSIGNEE's** enjoyment of rights granted in said invention, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in any proceedings or transactions involving such applications or patents, including those relating to the enforcement of any rights or chose in action accruing as a result of said applications or patents, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the successors, assigns and legal representatives of me/us and **ASSIGNEE**;

AND I/we request the Commissioner of Patents and Trademarks to issue

Date: 3/19/05

My commission expires _____
Name: [Signature]
(signed)

Ravi GANESAN

State/Commonwealth of: California
County of: San Mateo

Then personally appeared the above-named Ravi Ganesan
of TRICIAVER
this 19 day of March, 2005, to me personally known and
known to me to be the person described in and who executed the foregoing
assignment and acknowledged the same to be his or her own free act and deed,
before me.



[Signature]
Notary Public
My commission expires Sept. 8, 2005

Date: _____

Name: _____
(signed)

Mihir BELLARE

State/Commonwealth of: _____
County of: _____

Then personally appeared the above-named _____
of _____
this _____ day of _____, _____, to me personally known and
known to me to be the person described in and who executed the foregoing
assignment and acknowledged the same to be his or her own free act and deed,
before me.

Notary Public
My commission expires _____

Date: _____ Name: _____
(signed)

Ravi GANESAN

State/Commonwealth of: _____
County of: _____

Then personally appeared the above-named _____
of _____, this _____ day
of _____, _____, to me personally known and known to me to be the person
described in and who executed the foregoing assignment and acknowledged the same to be his or
her own free act and deed, before me.

Notary Public
My commission expires _____

Date: 4/4/05 Name: Mihir Bellare
(signed)

Mihir BELLARE


State/Commonwealth of: CALIFORNIA
County of: SAN DIEGO

Then personally appeared the above-named MIHIR BELLARE
of SAN DIEGO, this 4 day
of APRIL, 05, to me personally known and known to me to be the person
described in and who executed the foregoing assignment and acknowledged the same to be his or
her own free act and deed, before me.



Julia Maureen Latimer
Notary Public
My commission expires November 23, 2006


Date: 2/14/05

Name: 
(signed)

Collin Joseph deSa

State/Commonwealth of: Virginia
County of: Arlington

Then personally appeared the above-named Collin Joseph deSa
of TriCopter, Inc.,
this 14th day of February, 2005, to me personally known and
known to me to be the person described in and who executed the foregoing
assignment and acknowledged the same to be his or her own free act and deed,
before me.


Notary Public
My commission expires 2/28/2009