

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TriCipher, Inc.	11/30/2010
RECEIVING PARTY DATA	
Name:	VMware, Inc.
Street Address:	3401 Hillview Avenue
City:	Palo Alto
State/Country:	CALIFORNIA
Postal Code:	94304
PROPERTY NUMBERS Total: 29	
Property Type	Number
Application Number:	11652616
Application Number:	11704912
Application Number:	11332204
Application Number:	11421076
Application Number:	11055987
Application Number:	11056116
Application Number:	12817960
Application Number:	12817985
Application Number:	12206304
Application Number:	12729469
Patent Number:	6883095
Patent Number:	6940980
Patent Number:	6970562
Patent Number:	7017041
Patent Number:	7055032

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Patent Number:	7065642
Patent Number:	7069435
Patent Number:	7149310
Patent Number:	7386720
Patent Number:	7447903
Patent Number:	7565527
Patent Number:	7571471
Patent Number:	7596697
Patent Number:	7599493
Patent Number:	7630493
Patent Number:	7734045
Patent Number:	7734911
Patent Number:	7734912
Patent Number:	7840993

CORRESPONDENCE DATA

Fax Number: (650)427-4818
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 650-427-1049
Email: ipadmin@vmware.com
Correspondent Name: VMware, Inc.
Address Line 1: 3401 Hillview Avenue
Address Line 4: Palo Alto, CALIFORNIA 94304

ATTORNEY DOCKET NUMBER:	TRICIPHER
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NAME OF SUBMITTER:	Leonard E. Heyman
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Total Attachments: 6
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PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT ("Assignment") is made and entered into as of this 30 day of November 2010, ("Effective Date"), by and between **TriCipher, Inc.**, a wholly-owned subsidiary of **VMware, Inc.** having a place of business at **3401 Hillview Avenue, Palo Alto, California** ("Assignor"), and **VMware, Inc.**, a Delaware company having a place of business at **3401 Hillview Avenue, Palo Alto, California** ("Assignee").

WHEREAS, Assignor is the sole and exclusive owner of the entire right, title and interest in, to and under those **U.S. Patents and Pending Applications** identified and set forth on Schedule A (the "Patents"); and

WHEREAS, Assignee wishes to acquire and Assignor wishes to assign all right, title and interest in and to the Patents.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor does hereby sell, assign, transfer and set over to Assignee, the entire right, title and interest in and to the Patents, for the United States and for all foreign countries, including any continuations, divisions, continuations-in-part, reissues, reexaminations, extensions or foreign equivalents thereof, and including the subject matter of all claims which may be obtained therefrom for its own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment and sale had not been made; together with all income, royalties, damages or payments due or payable as of the Effective Date or thereafter, including, without limitation, all claims for damages by reason of past, present or future infringement or other unauthorized use of the Patents, with the right to sue for, and collect the same for its own use and enjoyment, and for the use and enjoyment of its successors, assigns, or other legal representatives.

Assignor authorizes and requests the Commissioner of Patents and Trademarks to record Assignee as owner of the Patents, including any continuations, divisions, continuations-in-part, reissues, reexaminations or extensions thereof, and to issue any and all letters patent of the United States thereon to Assignee, as assignee of the entire right, title and interest in, to and under the same, for the sole use and enjoyment of Assignee, its successors, assigns or other legal representatives.

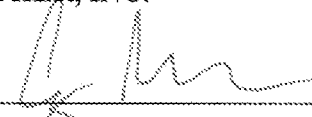
Assignor hereby represents and warrants that its right, title and interest in and to the Patents are free and clear of any liens and encumbrances, that it has full right to assign all of its interests therein, and that it has not executed and will not execute any agreement or other instrument in conflict herewith.

Assignor shall provide Assignee, its successors, assigns or other legal representatives, cooperation and assistance at Assignee's request and expense (including the execution and delivery of any and all affidavits, declarations, oaths, exhibits, assignments, powers of attorney or other documentation as may be reasonably required): (1) in the preparation and prosecution of any applications covering the inventions assigned herein; (2) in the prosecution or defense of any interference, opposition, reexamination, reissue, infringement or other proceedings that may arise in connection with any of the patent rights assigned herein, including, but not limited to, testifying as to any facts relating to the patent rights assigned herein and this Assignment; (3) in obtaining any additional patent protection that Assignee may deem appropriate which may be secured under the laws now or hereafter in effect in the United States or any other country; and (4) in the implementation or perfection of this Assignment.

* * * * *

IN TESTIMONY WHEREOF, the Assignor and Assignee have caused this Assignment to be signed and executed by the undersigned officers thereunto duly authorized this 12 day of November, 2010.

TRICIPHER, INC.

By:  _____

Name: Craig Norris

Title: President and Secretary

SCHEDULE A

Pending or abandoned Applications:

#	VMW Dkt	Title	App. No.	Filing Date
1	A604	Enhanced security for user instructions	11/652,616	1/12/07
2	A605	Flexible and adjustable authentication in cyberspace	11/704,912	2/12/07
3	A601.03	Asymmetric crypto-graphy with rolling key security	11/332,204	1/17/06
4	A603.02	Augmented single factor split key asymmetric cryptography-key generation and distributor	11/421,076	5/31/06
5	A601	Architecture for asymmetric crypto-key storage	11/055,987	2/14/05
6	A601.02	Roaming utilizing an asymmetric key pair	11/056,116	2/14/05
7	A607	Identity broker configured to authenticate users to host services	12/817,960	06/17/10
8	A608	Identity provider server configured to validate authentication requests from identity broker	12/817,985	06/17/10
9	A601.02.DI	Roaming utilizing an asymmetric key pair	12/206,304	09/08/08
10	A601.C1	Securing multifactor split key asymmetric crypto keys	12/729,469	03/23/10

Issued Patents:

#	Dkt	Title	Patent No. Issue Date	App. No. Filing Date
1	A589	System and method for password throttling	6,883,095 4/19/05	09/739,110 12/19/00
2	A590	High security cryptosystem	6,940,980 9/6/05	09/739,112 12/19/00
3	A591	System and method for crypto-key generation and use in cryptosystem	6,970,562 11/29/05	09/739,260 12/19/00
4	A592	Secure communications network with user control of authenticated personal information provided to network entities	7,017,041 03/21/06	09/739,113 12/19/00
5	A591.C1	One time password entry to access multiple network sites	7,055,032 5/30/06	10/849,818 5/21/04
6	A593	System and method for generation and use of asymmetric crypto-keys each having a public portion and multiple private portions	7,065,642 6/20/06	09/739,111 12/19/00
7	A594	System and method for authentication in a crypto-system utilizing symmetric and asymmetric crypto-keys	7,069,435 6/27/06	09/739,118 12/19/00
8	A595	Method and system for authorizing generation of asymmetric crypto-keys	7,149,310 12/12/06	09/739,119 12/19/00
9	A596	Authentication protocol using a multi-factor asymmetric key pair	7,386,720 6/10/08	11/055,988 2/14/05
10	A594.C1	Laddered authentication security using split key asymmetric cryptography	7,447,903 11/4/08	11/472,400 6/22/06
11	A597	Technique for asymmetric crypto-key generation	7,565,527 7/21/09	11/055,986 2/14/05
12	A598	Secure login using a multifactor split asymmetric crypto-key with persistent key security	7,571,471 8/4/09	11/381,878 5/5/06
13	A599	Technique for providing multiple levels of security	7,596,697 9/29/09	11/056,115 2/14/05
14	A600	Asymmetric key pair having a kiosk mode	7,599,493 10/6/09	11/056,114 2/14/05
15	A601.01	Multiple factor private portion of an asymmetric key	7,630,493 12/8/09	11/056,120 2/14/05
16	A602	Multifactor split asymmetric crypto-key with persistent key security	7,734,045 6/8/10	11/381,829 5/5/06
17	A603	Secure login using augmented single factor split key asymmetric cryptography	7,734,911 6/8/10	11/421,080 5/31/06
18	A603.01	Secure login using single factor split key asymmetric cryptography and an augmenting factor	7,734,912 6/8/10	11/421,088 5/31/06

19	A606	Protecting one-time-passwords against man-in-the-middle attacks	7,840,993 11/23/10	11/415,065 5/2/06
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CALIFORNIA ALL-PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

State of California

County of Santa Clara

On Nov. 30, 2010, before me, Brenda Scott, Notary Public,
(Here insert name and title of the officer)

personally appeared Craig Douglas Norris

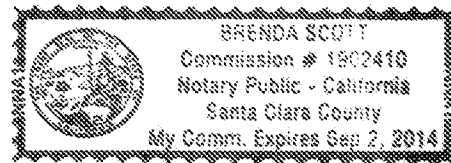
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is are subscribed to the within instrument and acknowledged to me that he she/they executed the same in his her/their authorized capacity(ies), and that by his her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Brenda Scott

Signature of Notary Public



(Notary Seal)

ADDITIONAL OPTIONAL INFORMATION

INSTRUCTIONS FOR COMPLETING THIS FORM

Any acknowledgment completed in California must contain verbiage exactly as appears above in the notary section or a separate acknowledgment form must be properly completed and attached to that document. The only exception is if a document is to be recorded outside of California. In such instances, any alternative acknowledgment verbiage as may be printed on such a document so long as the verbiage does not require the notary to do something that is illegal for a notary in California (i.e. certifying the authorized capacity of the signer). Please check the document carefully for proper notarial wording and attach this form if required.

DESCRIPTION OF THE ATTACHED DOCUMENT

Patent Assignment between
(Title or description of attached document)

TriCipher, Inc. and VMware, Inc.
(Title or description of attached document continued)

Number of Pages 5 Document Date 11-30-10

(Additional information)

CAPACITY CLAIMED BY THE SIGNER

Individual (s)

Corporate Officer

President and Secretary
(Title)

Partner(s)

Attorney-in-Fact

Trustee(s)

Other _____

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. ~~he~~/she/~~they~~ - is /are) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
 - ❖ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
 - ❖ Indicate title or type of attached document, number of pages and date.
 - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document