

08-13-2002



Tab setting

102174996



OF

A

05-31-2002

U.S. Patent & TMO/TM Mail Rpt Dt. #74

Docket No.: D

07263-00158

To the

Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

**Certicom Corp.**

- Individual(s)
- General Partnership
- Corporation-State **Delaware**
- Other
- Association
- Limited Partnership

Additional names(s) of conveying party(ies)  Yes  No

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other
- Merger
- Change of Name

Execution Date: **March 22, 2002**

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

Name: **Silicon Valley Bank**

Internal Address:

Street Address: **25821 Industrial Blvd.**

City: **Hayward** State: **CA** ZIP: **94545**

- Individual(s) citizenship
- Association
- General Partnership
- Limited Partnership
- Corporation-State **California**
- Other

If assignee is not domiciled in the United States, a domestic designation is  Yes  N  
(Designations must be a separate document from Additional name(s) & address(es)  Yes  N

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

A. Trademark Application No.(s)

75,015,086    75/727,645    76,137,152  
 75/094,708    75/729,949    76/137,153  
 75/253,291    75/901,238    76/137,154

Additional numbers

B. Trademark Registration No.(s)

2,312,740

Yes  No

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

Name: **John R. Posthumus, Esq., Reg. No. 36,245**

Internal Address:

Street Address: **LeBoeuf, Lamb, Greene & MacRae**

**633 Seventeenth Street, Suite 2000**

City: **Denver** State: **CO** ZIP: **80202**

6. Total number of applications and registrations involved:.....

13

7. Total fee (37 CFR 3.41):.....\$ **520.00**

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

08/14/2002 JJALLAH2 00000002 75015086

01 FC:481  
02 FC:482

40.00 OP  
300.00 OP

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.

**John R. Posthumus, Reg. No. 36,245**

Name of Person Signing

*John Posthumus*  
Signature

May 28, 2002

Date

22

Total number of pages including cover sheet, attachments and

CHECK Refund Total: \$180.00

Refund Ref: 08/14/2002 JJALLAH2 000011974

TRADEMARK

REEL: 002525 FRAME: 0635

List of Trademarks

76/137,155

76/176,976

76/219,850

INTELLECTUAL PROPERTY SECURITY AGREEMENT

22  
3/22/02  
4/11/02

This Intellectual Property Security Agreement (the "Agreement") dated March 22, 2002 is between SILICON VALLEY BANK ("Bank") and CERTICOM CORP., a Delaware corporation ("Grantor").

RECITALS

A. Bank will make advances to Grantor ("Loans") as described in that certain Loan and Security Agreement of even date herewith (the "Loan Agreement"), but only if Grantor grants Bank a security interest in its Copyrights, Trademarks, Patents, and Mask Works. All defined terms used herein shall have the respective meanings accorded to them in the Loan Agreement.

B. Grantor has granted Bank a security interest in all of its right, title and interest, presently existing or later acquired, to all of the Collateral.

AGREEMENT

Grantor grants Bank a security interest in all of its right, title and interest in its Intellectual Property Collateral (such as the Copyrights, Patents, Trademarks and Mask Works listed on Schedules A, B, C, and D), and all proceeds (such as license royalties and proceeds of infringement suits), the right to sue for past, present and future infringements rights throughout the world and all re-issues, divisions continuations, renewals, extensions and continuations-in-part. This security interest is granted in conjunction with the security interest granted under the Loan Agreement. Bank's rights and remedies in the security interest are in addition to those in the Loan Agreement and the other Loan Documents, and those available in law or equity. Bank's rights powers and interests are cumulative with every right, power or remedy provided here. Bank's exercise of its rights, powers or remedies in this Agreement, the Loan Agreement or any other Loan Document, does not preclude the simultaneous or later exercise of any or all other right, power or remedy.

SILICON VALLEY BANK,  
a California-chartered bank

Ken Hill  
(Signature)

Vice President  
(Title)

CERTICOM CORP., a Delaware corporation

[Signature]  
(Signature)

CEO  
(Title)

**SCHEDULE A**

**Copyrights**

**Description**

**Registration/  
Application  
Number**

**Registration/  
Application  
Date**

SCHEDULE B

Patent No.	Date Issued	Title
GB 2322775	2001 09 19	Digital Signature Protocol
GB 2318709	2001 09 05	Digital Signature Protocol
US 6,279,110 B1	2001 08 21	Masked Digital Signatures
US 6,212,281	2001 04 03	Digital Signature Protocol
US 6,195,433	2001 02 27	Private key validity and validation
US 6,178,507	2001 01 23	Data Card Verification System
GB 2 313 272 B	2000 12 13	Digital Signature Protocol with Reduced Bandwidth
US 6,141,420	2000 10 31	Elliptic Curve Encryption Systems
US 6,134,325	2000 10 17	Key Transmission System
GB 2 321 741	2000 10 04	Data card verification system
US 6,122,736	2000 09 19	Key agreement and transport protocol with implicit signatures
FR 97 05976	2000 09 08	Protocole de signature numérique à largeur de bande réduite
US 6,097,813	2000 08 01	Digital Signature Protocol with Reduced Bandwidth
US 6,078,667	2000 06 20	Generating Unique and Unpredictable Values
US 6,049,815	2000 04 11	Method and Apparatus for Finite Field Multiplication
UK 2 309 809	2000 03 08	Transaction Verification Protocol for Smart Cards
US 5,999,626	1999 12 07	Digital Signatures on a Smart Card
FR 98 01204	1999 10 08	Système de Vérification de Cartes de Données
US 5,955,717	1999 09 21	Transaction Verification Protocol for Smart Cards
US 5,933,504	1999 08 03	Strengthened public key protocol
US 5,896,455	1999 04 20	Key Agreement and Transport Protocol with Implicit Signatures
US 5,889,865	1999 03 30	Key Agreement and Transport Protocol with Implicit Signatures
US 5,787,028	1998 06 28	Multiple Bit Multiplier
US 5,761,305	1998 06 02	Key Agreement and Transport Protocols with Implicit Signatures
EPO 0 337 985 B1	1995 06 14	Computational method and apparatus for finite field multiplier
GB 2 176 325	1989 07 19	Computational method and apparatus for finite field multiplier
CA 1 242 030	1988 09 13	Computational method and apparatus for finite field multiplier
US 4,745,568	1988 05 17	Computational method and apparatus for finite field multiplier

SCHEDULE B

## Joint Patents-

Patent No.	Date Issued	Title	Joint Assignee
US 6,230,179	2001 05 08	Finite field multiplier with intrinsic modular reduction	Motorola
US 6,199,086	2001 03 06	Circuit and method for decompressing compressed elliptic curve points	Motorola
US 6,009,450	1999 12 28	Finite field inverse circuit	Motorola
US 6,003,057	1999 12 14	Galois field arithmetic logic unit circuit	Motorola
US 5,982,895	1999 11 09	Finite field inverse circuit for use in an elliptic curve processor	Motorola

## Exclusive Rights in U.S. and Canada

Patent No.	Date Issued	Title
US 5,600,725	1997 02 04	Digital Signature Method and Key Agreement Method

Application Name ⇄	Publication Num ⇄	Publication Date ⇄
Key Agreement and Transport Protocol with Implicit Signatures	WO 98/18234	1998 April 30
Data Card Verification System	WO 98/34202	1998 August 6
A Log-On Verification Protocol	WO 98/51037	1998 November 12
Two Way Authentication Protocol	WO 98/51032	1998 November 12
Arithmetic Processor	WO 98/48345	1998 October 29
Key Validation Scheme	WO 99/20020	1999 April 22
Accelerated Signature Verification on an Elliptic Curve	WO 99/21320	1999 April 29
Secure One-Way Authentication Communication System	WO 99/39476	1999 August 9
Accelerated Cryptographic Operations	WO 99/63426	1999 December 9
Signature Verification for Elgamal Schemes	WO 99/23781	1999 May 14
Authenticated Key Agreement Protocol	WO 99/57844 (PCT)	1999 November 11

SCHEDULE B

	US20010016908A1 (US)	(PCT) 2001 August 23 (US)
Private Key Validity and Validation	WO 99/59286	1999 November 18
Accelerated Finite Field Operations on an Elliptic Curve	WO 99/49386	1999 September 30
Implicit Certificate Scheme	WO 99/49612	1999 September 30
Timing Attack Resistant Cryptographic System	WO 00/05837	2000 February

Application Name ⇄	Publication Num ⇄	Publication Date ⇄
Accelerated Finite Field Operations on an Elliptic Curve	WO 99/49386	1999 September 30
Implicit Certificate Scheme	WO 99/49612	1999 September 30
Timing Attack Resistant Cryptographic System	WO 00/05837	2000 February 3
A Method for Preventing Key Share Attacks	WO 00/01109	2000 January 6
Method and Apparatus for Minimizing Differential Power Attacks on Processors	WO 00/42511	2000 July 20
Method and Apparatus for Masking Cryptographic Operations	WO 00/42733	2000 July 20
A Method for Accelerating Cryptographic Operations on Elliptic Curves	WO 00/39668	2000 July 6
A Resilient Cryptographic Scheme	WO 00/44129	2000 July 7
Enhanced Subscriber Authentication Protocol	WO 00/35223	2000 June 15
Power-Signature Attack Resistant Cryptographic Scheme	WO 00/25204	2000 May 4
System and Method for Efficient Basis Conversion	WO 00/55756	2000 September 21
Method and Apparatus for Finite Field Basis Conversion	WO 00/52877	2000 September 8
Split-Key Key-Agreement Protocol	WO 01/06997 A2 and A3	2001 January 25
Customizable Public Key Infrastructure and Development Tool for Same	WO 01/54374 A2	2001 July 26
Masked Digital Signatures	WO 99/25092 US2001/0008013 A1	WO 1999 May 20 US 2001 July 12

II. Patents

No.	Description	Owner	Country	Status	Date
CA2353395	A method for accelerating cryptographic operations on elliptic curves	Certicom Corp. Canada	Canada	Filed	23 Dec 99
CA2330749	Private key validity and validation	Certicom Corp. Canada	Canada	Filed	10 May 99
CA2324621	Accelerated finite field operations on an elliptic curve	Certicom Corp. Canada	Canada	Filed	25 Mar 99
CA2320221	Secure one-way authentication communication system	Certicom Corp. Canada	Canada	Filed	01 Feb 99
CA2308170	Masked digital signatures	Certicom Corp. Canada	Canada	Filed	10 Nov 98
CA2308084	Efficient digital signatures for mail systems	Certicom Corp. Canada	Canada	Filed	10 May 00
CA2306468	Signature verification for elgamal schemes	Certicom Corp. Canada	Canada	Filed	02 Nov 98
CA2306282	Accelerated signature verification on an elliptic curve	Certicom Corp. Canada	Canada	Filed	16 Oct 98



No.	Description	Owner	Country	Status	Date
CA2305896	Key validation scheme	Certicom Corp. Canada	Canada	Filed	14 Oct 98
CA2303542	Method for certifying public keys used to sign postal indicia and indicia so signed	Certicom Corp. Canada Pitney Bowes Inc. United States	Canada United States	Filed	30 Mar 00
CA2288268	A log-on verification protocol	Certicom Corp. Canada	Canada	Filed	04 May 98
CA2288192	Two way authentication protocol	Certicom Corp. Canada	Canada	Filed	04 May 98
CA2286647	Arithmetic processor	Certicom Corp. Canada	Canada	Filed	20 Apr 98
CA2285770	Efficient digital signatures for mail systems	Certicom Corp. Canada Pitney Bowes Inc. United States	Canada United States	Filed	08 Oct 99
CA2280271	Method and apparatus for implementing mathematic process in finite fields	Certicom Corp. Canada	Canada	Filed	11 Aug 99
CA2279462	Data card verification systems	Certicom Corp. Canada	Canada	Filed	03 Feb 98
CA2277633	Split-key key-agreement protocol	Certicom Corp. Canada	Canada	Filed	19 Jul 99
CA2265389	System and method for efficient basis conversion	Certicom Corp. Canada	Canada	Filed	12 Mar 99

5

No.	Description	Owner	Country	Status	Date
CA2263056	Method and apparatus for finite field basis conversion	Certicom Corp. Canada	Canada	Filed	26 Feb 99
CA2260483	System and method for establishing secure facsimile communication	Certicom Corp. Canada	Canada	Filed	27 Jan 99
CA2259738	Resilient cryptographic scheme	Certicom Corp. Canada	Canada	Filed	20 Jan 99
CA2259089	Method and apparatus for masking cryptographic operations	Certicom Corp. Canada	Canada	Filed	15 Jan 99
CA2258338	Method and apparatus for minimizing differential power attacks on processors	Certicom Corp. Canada	Canada	Filed	11 Jan 99
CA2257008	A method for accelerating cryptographic operations on elliptic curves	Certicom Corp. Canada	Canada	Filed	24 Dec 98
CA225285	Enhanced subscriber authentication protocol	Certicom Corp. Canada	Canada	Filed	04 Dec 98
CA2252078	Power signature attack resistant cryptographic system	Certicom Corp. Canada	Canada	Filed	28 Oct 98

SCHED B

No.	Description	Owner	Country	Status	Date
CA2243761	Timing attack resistant cryptographic system	Certicom Corp. Canada	Canada	Filed	21 Jul 98
CA2241705	A method for preventing key-share attacks	Certicom Corp. Canada	Canada	Filed	26 Jun 98
CA2239372	Accelerated cryptographic operations	Certicom Corp. Canada	Canada	Filed	01 Jun 98
CA2237688	Key agreement and transport protocol with implicit signatures	Certicom Corp. Canada	Canada	Filed	18 Oct 96
CA2236495	Authenticated key agreement protocol	Certicom Corp. Canada	Canada	Filed	01 May 98
CA2235359	Implicit certificate scheme with CA chaining	Certicom Corp. Canada	Canada	Filed	20 Apr 98
CA2233120	Accelerated finite field operations on an elliptic curve	Certicom Corp. Canada	Canada	Filed	25 May 98
CA2232936	Implicit certificate scheme	Certicom Corp. Canada	Canada	Filed	23 Mar 98
CA2232079	Computation in a permuted optimal normal basis	Certicom Corp. Canada	Canada	Filed	13 Mar 98
CA2228958	Data card verification system	Certicom Corp. Canada	Canada	Filed	03 Feb 98

No.	Description	Owner	Country	Status	Date
CA2228185	Verification protocol	Certicom Corp. Canada	Canada	Filed	28 Jan 98
CA2225899	A method and apparatus for finite field multiplication	Certicom Corp. Canada	Canada	Filed	29 Dec 97
CA2218308	Digital signature protocol	Certicom Corp. Canada	Canada	Filed	10 Oct 97
CA2218148	Generating unique and unpredictable values	Certicom Corp. Canada	Canada	Filed	10 Oct 97
CA2217925	Generation of session parameters for EL gamal-like protocols	Certicom Corp. Canada	Canada	Filed	10 Oct 97
CA2205310	Digital signature protocol with reduced bandwidth	Certicom Corp. Canada	Canada	Filed	14 May 97
CA2202566	Digital signatures on a smart card	Certicom Corp. Canada	Canada	Filed	14 Apr 97
CA2196356	Transaction verification protocol for smart cards	Certicom Corp. Canada	Canada	Filed	30 Jan 97
CA2176972	Key agreement and transport protocol with implicit signatures	Certicom Corp. Canada	Canada	Filed	16 May 96
CA2176866	Strengthened public key protocol	Certicom Corp. Canada	Canada	Filed	17 May 96

8

Nb.	Description	Owner	Country	Status	Date
CA2174261	Key agreement and transport protocol with implicit signatures	Certicom Corp. Canada	Canada	Filed	16 Apr 96
CA2174260	Key agreement and transport protocol	Certicom Corp. Canada	Canada	Filed	16 Apr 96
CA2173165	Multiple bit multiplier	Certicom Corp. Canada	Canada	Filed	01 Apr 96
CA2350118	A method for the application of implicit signature schemes	Blake-Wilson, Simon (Canada) Vanstone, Scott A. (Canada) <sup>1</sup>	Canada	Filed	11 Jun 01
CA2317775	Hybrid signature scheme	Ryan, Rick Gallant, Robert (Canada) Singer, Ari Pintsov, Leon Lambert, Robert J. (Canada) Vanstone Scott Alexander (Canada) <sup>2</sup>	Canada	Filed	06 Sep 00

<sup>1</sup>Applicant: Certicom Corp. (Canada)

<sup>2</sup>Applicant: Certicom Corp. (Canada)

No.	Description	Owner	Country	Status	Date
CA2296220	Customizable public key infrastructure and development tool for same	Certicom Corp. Canada	Canada	Filed	17 Jan 00
CA2155038	Elliptic curve encryption systems	Certicom Corp. Canada	Canada	Filed	31 Jul 95
CA2129203	Public key cryptography utilizing elliptic curves	Certicom Corp. Canada	Canada	Filed	29 Jul 94
CA1242030	Computational method and apparatus for finite field multiplication	Certicom Corp. Canada	Canada	Issued	13 Sep 88

January 18, 2002 (4:55pm)

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SCHEDULE C

TP & DESIGN	COUNTRY	App'l'n. No.	App'l'n Date	Reg'n Date	TM
(C) & Design	China	449,940			
(CE)2 & Design	EU Community	645291			TM
(CE)2 & Design	Japan	9-165866		Mar. 31, 2000	®
(CE)2 & Design	Switzerland	449,920			®
CERTICASH	Canada	1,001,269	Dec. 16, 1998		TM
CERTICOM & Design (company logo 8-diamonds over word mark)	Canada	1,052,656	March 28, 2000		TM
CERTICOM & Design (company logo 8-diamonds over word mark)	EU Community	1876655			TM
CERTICOM & Design (company logo 8-diamonds over word mark)	Switzerland	449,941			®
✓ CERTICOM & Design (company logo 8-diamonds over word mark)	US	76-137154	Sept. 28, 2000		TM
CERTICOM & DESIGN (old infinity logo)	Canada	0798854		Dec. 14, 1998	®
CERTICOM & DESIGN (old infinity logo)	Japan	9-165863			®
✓ CERTICOM & DESIGN (old infinity logo)	US	2,2312,740	Feb. 1, 2000		®
CERTICOM (word mark)	Canada	794,427	Oct. 5, 1995	Nov. 1, 1996	®
✓ CERTICOM (word mark)	US	75-015086	Nov. 6, 1995	Oct. 27, 1998	®
✓ CERTICOM (word mark)	US	75-094,708	Apr. 26, 1996	Feb. 1, 2000	®
CERTICOM Design (design mark- bold evo font)	Canada	1,052,655	March 28, 2000		TM
✓ CERTICOM Design (design mark- bold evo font)	US	76-137152	Sept. 28, 2000		TM
CERTICOM ELLIPTIC CURVE ENGINE	Canada	842,969	April 22, 1997	Sept. 26, 2000	®
CERTICOM ENCRYPTION & Design (word mark within diamond shape)	Canada	1,052654	March 28, 2000		TM
✓ CERTICOM ENCRYPTION & Design (word mark within diamond shape)	US	76-137155	Sept. 28, 2000		TM
CERTICOM ENCRYPTION & Design (word mark within diamond shape)	EU Community	001876432			TM
CERTICOM SECURE (word mark)	Canada	899,836	Dec. 16, 1998		TM
✓ CERTICOM SECURE (word mark)	US	75-729949	June 16, 1999		TM
CERTIFAX (word mark)	Canada	756,748	June 3, 1994	May 1, 1998	®
FACT SECRETS (word mark)	Canada	0702152	March 31, 1992	Feb. 25, 1994	®
MOBILETRUST & Design	EU Community	001751767	Jan. 13, 2000		SM

SCHEDULE C

✓MOBILETRUST & Design	US	75-901238	Jan. 22, 2000		SM
M AN	Australia	861272			TM
MOVIAN (word mark)	Canada				TM
MOVIAN (word mark)	Japan	2001-3267	Jan. 19, 2001		TM
MOVIAN (word mark)	Korean	2001-141	Jan. 3, 2001		TM
MOVIAN (word mark)	Norway	200100917	Jan. 15, 2001		TM
MOVIAN (word mark)	Swiss	15214/2000	Dec. 27, 2000		TM
✓MOVIAN (word mark)	US	76-176976	Dec. 7, 2000		TM
MOVIAN (word mark)	EU Community				TM
MOVIAN Design Mark	Japan				TM
✓MOVIAN Design Mark	US	76/219,850	Mar. 5, 2001		TM
SECURITY BUILDER (word mark)	Canada	833,683	Jan. 15, 1997		®
✓SECURITY BUILDER (word mark)	US	75-253291	Mar. 7, 1997	July 13, 1999	®
SECURITY BY CERTICOM (word mark)	Canada	899,840	Dec. 16, 1998		TM
✓SECURITY BY CERTICOM (word mark)	US	75-727-645	June 16, 1999		TM
TRUSTPOINT (word mark)	Canada	1,052,653	Mar. 28, 2000		TM
TRUSTPOINT (word mark)	EU Community	1876473			TM
✓TRUSTPOINT (wo+A47)	US	76-137153	Sept. 28, 2000		TM



INTELLECTUAL PROPERTY

I. Trade Marks

No.	Trademark	Owner	Country	Status	Date
TMA505433	Certicom & Design	Certicom Corp. California	Canada	Registered	14 Dec 98
1052655	Certicom Design	Certicom Corp. California	Canada	Advertised	26 Dec 01
1052656	Certicom Design	Certicom Corp. California	Canada	Advertised	26 Dec 01
TMA533547	Certicom Elliptic Curve Engine	Certicom Corp. California	Canada	Registered	26 Sep 00
1052654	Certicom Encryption & Design	Certicom Corp. California	Canada	Advertised	26 Dec 01
TMA553865	Certicom Secure	Certicom Corp. California	Canada	Registered	15 Nov 01
TMA465573	Certicom	Certicom Corp. California	Canada	Registered	01 Nov 96
0899837	Certicrypt	Certicom Corp. California	Canada	Allowed	30 May 01
TMA493897	Certifax	Certicom Corp. California	Canada	Registered	01 May 98
TMA548357	Certilock	Certicom Corp. California	Canada	Registered	19 Jul 01
0883029	EPKI	Certicom Corp. California	Canada	Allowed	28 Jun 00
TMA423665	Faxsecrets	Certicom Corp. California	Canada	Registered	25 Feb 94
1042485	Mobile Trust	Certicom Corp. Ontario	Canada	Allowed	15 Aug 01
1087336	Movian	Certicom Corp. California	Canada	Formalized	24 Jan 01

SCHEDULE C

No.	Trademark	Owner	Country	Status	Date
1087337	Movianvbn	Certicom Corp. California	Canada	Formalized	24 Jan 01
TMA495437	Security Builder	Certicom Corp. California	Canada	Registered	28 May 98
TMA548381	Security by Certicom	Certicom Corp. California	Canada	Registered	19 Jul 01
1052653	Trustpoint	Certicom Corp. California	Canada	Searched	28 Apr 00

4

2

**SCHEDULE D**

**Mask Works**

**Description**

**Registration/  
Application  
Number**

**Registration/  
Application  
Date**