

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM511830

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|---|--|-----------------------|---|
| SUBMISSION TYPE: | NEW ASSIGNMENT | | |
| NATURE OF CONVEYANCE: | SECURITY INTEREST | | |
| CONVEYING PARTY DATA | | | |
| Name | Formerly | Execution Date | Entity Type |
| Teradici Corporation | | 02/22/2019 | a corporation existing under the Business Corporations Act (Canada) and extra-provincially registered in the Province of British Columbia: CANADA |
| RECEIVING PARTY DATA | | | |
| Name: | Comerica Bank | | |
| Street Address: | 39200 Six Mile Road | | |
| Internal Address: | MC 7578 | | |
| City: | Livonia | | |
| State/Country: | MICHIGAN | | |
| Postal Code: | 48152 | | |
| Entity Type: | a Texas banking association and authorized foreign bank under the Bank Act (Canada): TEXAS | | |
| PROPERTY NUMBERS Total: 7 | | | |
| Property Type | Number | Word Mark | |
| Registration Number: | 4771297 | PC OVER IP | |
| Registration Number: | 4421330 | PCOIP OPTIMIZED | |
| Registration Number: | 4421328 | PCOIP | |
| Registration Number: | 4421327 | TERADICI | |
| Registration Number: | 4424765 | | |
| Registration Number: | 3408338 | TERADICI | |
| Registration Number: | 3408337 | PCOIP | |
| CORRESPONDENCE DATA | | | |
| Fax Number: | 7349302494 | | |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> | | | |
| Phone: | 7349302488 | | |
| Email: | ipfilings@bodmanlaw.com | | |
| Correspondent Name: | Susan M. Kornfield - Bodman PLC | | |
| Address Line 1: | 201 South Division | | |

OP \$190.00 4771297

Address Line 2: Suite 400
Address Line 4: Ann Arbor, MICHIGAN 48104

NAME OF SUBMITTER: SUSAN M. KORNFIELD

SIGNATURE: /susan m. kornfield/

DATE SIGNED: 02/26/2019

Total Attachments: 11

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement (this "Agreement") is made and entered into as of February 22, 2019, between **TERADICI CORPORATION**, a corporation existing under the *Business Corporations Act* (Canada) and extra-provincially registered in the Province of British Columbia ("Grantor"), and **COMERICA BANK**, a Texas banking association and authorized foreign bank under the *Bank Act* (Canada) ("Bank").

RECITALS

A. Bank has or will enter into certain financial accommodations with Grantor pursuant to a Loan Agreement made as of February 22, 2019, between Bank and Grantor, as amended, restated, replaced and supplemented from time to time ("Loan Agreement").

B. Bank has required Grantor to provide (i) a certain General Security Agreement dated as of February 22, 2019 between Grantor and Bank, as it may be amended, restated, replaced or supplemented from time to time (the "Security Agreement"), and (ii) this Agreement to Bank, in each case, to secure the Obligations (as defined in the Security Agreement). All terms used without definition in this Agreement shall have the meaning assigned to them in the Security Agreement. All terms used without definition in this Agreement or in the Security Agreement shall have the meaning assigned to them in the California Uniform Commercial Code.

NOW; THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment and performance when due of the Obligations now existing or hereafter arising, Grantor hereby represents, warrants, covenants and agrees as follows:

AGREEMENT

To secure the prompt and complete payment and performance when due of the Obligations now existing or hereafter arising, Grantor grants and pledges to Bank a security interest in all of Grantor's right, title and interest in, to and under its Intellectual Property Collateral (including without limitation those Copyrights, Patents and Trademarks listed on Exhibits A, B and C hereto), and including without limitation all proceeds thereof (such as, by way of example but not by way of limitation, license royalties and proceeds of infringement suits), the right to sue for past, present and future infringements, all rights corresponding thereto throughout the world and all re-issues, divisions, continuations, renewals, extensions and continuations-in-part thereof.

This security interest is granted in conjunction with the Movable Hypothec granted to Bank under the Security Agreement. The rights and remedies of Bank with respect to the security interest granted hereby are in addition to those set forth in the Security Agreement and the other Loan Documents, and those which are now or hereafter available to Bank as a matter of law or equity. Each right, power and remedy of Bank provided for herein or in the Security Agreement or any of the Loan Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the exercise by Bank of any one or more of the rights, powers or remedies provided for in this Intellectual Property Security Agreement, the Security Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Bank, of any or all other rights, powers or remedies.

Grantor represents and warrants that Exhibits A, B, and C attached hereto set forth any and all intellectual property rights in connection to which Grantor has registered or filed an application with either the United States Patent and Trademark Office or the United States Copyright Office, as applicable.

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Detroit_15916516_1

TRADEMARK
REEL: 006575 FRAME: 0432

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and year first above written.

Address:

4601 Canada Way, Suite 301
Burnaby, BC V5G 4X7
Attn: DANA BROCK
Email: DBROCK@TERADICI.COM

Grantor:

TERADICI CORPORATION, a company existing under the *Business Corporations Act* (Canada) and extra-judicially registered in the Province of British Columbia

By: _____

Name: _____

Title: _____



Dana Brock

VP Finance

Address:

Comerica Bank
200 Bay Street
Suite 2210, South Tower
Royal Bank Plaza, P.O. Box 61
Toronto, Ontario M4W 3E2
Attn: Dave Samra
Fax: (416) 367-2460

Bank:

COMERICA BANK

By: _____

Name: _____

Title: _____

Comerica Bank
M/C 7578
39200 Six Mile Road
Livonia, MI 48152
Attention: Commercial Loan Documentation

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and year first above written.

Address:

4601 Canada Way, Suite 301
Burnaby, BC V5G 4X7
Attn: _____
Email: _____

Grantor:

TERADICI CORPORATION, a company existing
under the *Business Corporations Act* (Canada) and
extra-judicially registered in the Province of British
Columbia

By: _____

Name: _____

Title: _____

Address:

Comerica Bank
200 Bay Street
Suite 2210, South Tower
Royal Bank Plaza, P.O. Box 61
Toronto, Ontario M4W 3E2
Attn: Dave Samra
Fax: (416) 367-2460

Bank:

COMERICA BANK

By: _____
Omair Ahmed

Name: OMER AHMED

Title: VP

Comerica Bank
M/C 7578
39200 Six Mile Road
Livonia, MI 48152
Attention: Commercial Loan Documentation

EXHIBIT A

Copyrights

| Title | Reg. No. | Reg. Date |
|----------|--------------|-----------|
| TERA1B. | MW0000018458 | 12/20/07 |
| TERA2B. | MW0000019336 | 3/23/12 |
| TERA2LC. | MW0000019428 | 11/13/12 |

EXHIBIT A

Detroit_15916516_1

TRADEMARK
REEL: 006575 FRAME: 0435

EXHIBIT B

Patents

| Title | App. No. | Filing Date | Reg. No. | Date Granted |
|--|-----------|-------------|------------|--------------|
| Method and apparatus for rasterizing and encoding vector graphics | 14/813777 | 7/30/15 | 10,062,181 | 8/28/18 |
| Composition control method for remote application delivery | 15/411048 | 1/20/17 | 10,019,213 | 7/10/18 |
| Method and apparatus for layered wavelet image compression | 15/223958 | 7/29/16 | 10,015,499 | 7/3/18 |
| Method and apparatus for providing a conditional single sign on | 15/274595 | 9/23/16 | 9,917,829 | 3/13/18 |
| Content independent method of motion determination using sparse matrices | 15/219897 | 7/26/16 | 9,875,552 | 1/23/18 |
| Resource-aware desktop image decimation method and apparatus | 14/686320 | 4/14/15 | 9,819,937 | 11/14/17 |
| Method and apparatus for rasterizing and encoding vector graphics | 14/813471 | 7/30/15 | 9,704,270 | 7/11/17 |
| Method and apparatus for sequencing remote desktop connections | 13/942170 | 7/15/13 | 9,686,323 | 6/20/17 |
| Portion of a display with a graphical user interface | 29/516214 | 1/30/15 | D781894 | 3/21/17 |
| Method and system for remote computing session management | 13/523407 | 6/14/12 | 9,582,272 | 2/28/17 |

EXHIBIT B

Detroit_15916516_1

TRADEMARK
REEL: 006575 FRAME: 0436

| Title | App. No. | Filing Date | Reg. No. | Date Granted |
|---|-----------|-------------|-----------|--------------|
| Composition control method for remote application delivery | 14/306084 | 6/16/14 | 9,565,227 | 2/7/17 |
| Portion of a display with a graphical user interface | 29/516213 | 1/30/15 | D770501 | 11/1/16 |
| Method and apparatus for providing a conditional single sign on | 14/293669 | 6/2/14 | 9,461,820 | 10/4/16 |
| Apparatus and method for optimizing USB-over-IP data transactions | 14/568565 | 12/12/14 | 9,436,644 | 9/6/16 |
| Method for authenticated communications incorporating intermediary appliances | 14/710931 | 5/13/15 | 9,398,026 | 7/19/16 |
| Apparatus and method for dynamic communication scheduling of virtualized device traffic based on changing available bandwidth | 13/952270 | 7/26/13 | 9,397,944 | 7/19/16 |
| Progressive block encoding using region analysis | 14/678607 | 4/3/15 | 9,351,007 | 5/24/16 |
| Method and system for image sequence transfer scheduling | 13/902204 | 5/24/13 | 9,286,082 | 3/15/16 |
| Method for client configuration management in remote computing | 13/653073 | 10/16/12 | 9,081,746 | 7/14/15 |
| Method for authenticated communications incorporating intermediary appliances | 13/755370 | 1/31/13 | 9,077,709 | 7/7/15 |
| Switch-initiated congestion management method | 14/103575 | 12/11/13 | 9,049,271 | 6/2/15 |

| Title | App. No. | Filing Date | Reg. No. | Date Granted |
|---|-----------|-------------|-----------|--------------|
| Method and apparatus for caching image data transmitted over a lossy network | 13/603925 | 9/5/12 | 9,026,615 | 5/5/15 |
| Progressive block encoding using region analysis | 13/722105 | 12/20/12 | 9,020,045 | 4/28/15 |
| Method and apparatus for encoding mixed content image sequences | 13/018003 | 1/31/11 | 8,965,140 | 2/24/15 |
| Method and apparatus for providing a session status indicator | 12/284963 | 9/26/08 | 8,954,876 | 2/10/15 |
| Method and apparatus for providing a hybrid computing environment | 14/049923 | 10/9/13 | 8,893,013 | 11/18/14 |
| Method and apparatus for remote input/output in a computer system | 14/051006 | 10/10/13 | 8,874,812 | 10/28/14 |
| Method and apparatus for encoding changed image regions | 13/194728 | 7/29/11 | 8,861,875 | 10/14/14 |
| Apparatus and method for encoding an image generated in part by graphical commands | 13/863025 | 4/15/13 | 8,855,414 | 10/7/14 |
| Differential serial interface for supporting a plurality of differential serial interface standards | 14/103474 | 12/11/13 | 8,837,562 | 9/16/14 |
| Method and apparatus for progressive encoding for text transmission | 14/050966 | 10/10/13 | 8,824,799 | 9/2/14 |
| Method and apparatus for using a network appliance to manage media communications | 13/135807 | 7/15/11 | 8,804,508 | 8/12/14 |
| Method and apparatus for motion vector estimation for an image sequence | 11/880992 | 7/25/07 | 8,787,460 | 7/22/14 |
| Methods and apparatus for enabling multiple remote displays | 11/278128 | 3/30/06 | 8,766,993 | 7/1/14 |
| Methods for encoding an image | 13/653841 | 10/17/12 | 8,731,314 | 5/20/14 |

| Title | App. No. | Filing Date | Reg. No. | Date Granted |
|--|-----------|-------------|-----------|--------------|
| Differential serial interface for supporting a plurality of differential serial interface standards | 13/595646 | 8/27/12 | 8,638,838 | 1/28/14 |
| Image compression method using dynamic color index | 12/698048 | 2/1/10 | 8,599,214 | 12/3/13 |
| Apparatus and methods for image decoding | 12/011631 | 1/28/08 | 8,594,137 | 11/26/13 |
| Method and apparatus for remote input/output in a computer system | 12/383291 | 3/23/09 | 8,560,753 | 10/15/13 |
| Method and apparatus for progressive encoding for text transmission | 13/675810 | 11/13/12 | 8,559,709 | 10/15/13 |
| Method and system for remotely communicating a computer rendered image sequence | 12/462235 | 7/31/09 | 8,520,734 | 8/27/13 |
| Method and system for image sequence transfer scheduling and restricting the image sequence generation | 12/460384 | 7/17/09 | 8,453,148 | 5/28/13 |
| Apparatus and method for encoding an image generated in part by graphical commands | 12/825092 | 6/28/10 | 8,442,311 | 5/14/13 |
| Group encoding of wavelet precision | 11/771797 | 6/29/07 | 8,411,978 | 4/2/13 |
| Progressive block encoding using region analysis | 11/549577 | 10/13/06 | 8,345,768 | 1/1/13 |
| Scheduling a virtual machine resource based on quality prediction of encoded transmission of images generated by the virtual machine | 11/904879 | 9/28/07 | 8,341,624 | 12/25/12 |
| Methods and apparatus for bridging an audio controller | 11/534600 | 9/22/06 | 8,335,576 | 12/18/12 |
| Method and apparatus for progressive encoding for text transmission | 12/378942 | 2/20/09 | 8,326,051 | 12/4/12 |

| Title | App. No. | Filing Date | Reg. No. | Date Granted |
|---|-----------|-------------|-----------|--------------|
| Apparatus for block-selected encoding of a digital video signal | 12/925056 | 10/13/10 | 8,315,468 | 11/20/12 |
| Method and apparatus for managing a peripheral port of a computer system | 12/284765 | 9/25/08 | 8,230,149 | 7/24/12 |
| Method and system for remote computing session management | 12/657695 | 1/26/10 | 8,224,885 | 7/17/12 |
| Methods and apparatus for managing a shared GUI | 11/688107 | 3/19/07 | 8,161,392 | 4/17/12 |
| Method and apparatus for providing a low-latency connection between a data processor and a remote graphical user interface over a network | 13/134211 | 6/1/11 | 8,108,577 | 1/31/12 |
| Progressive block encoding using region analysis | 11/537545 | 9/29/06 | 8,107,527 | 1/31/12 |
| Methods and apparatus for encoding a digital video signal | 12/804613 | 7/26/10 | 8,077,989 | 12/13/11 |
| System and method for transferring updates from virtual frame buffers | 12/586498 | 9/23/09 | 8,073,990 | 12/6/11 |
| Pixel selective wavelet transform methods | 12/882010 | 9/14/10 | 8,036,473 | 10/11/11 |
| Method and apparatus for providing peripheral connection management in a remote computing environment | 12/079941 | 3/28/08 | 8,032,353 | 10/4/11 |
| Method and apparatus for communications between a virtualized host and remote devices | 11/613981 | 12/20/06 | 8,028,040 | 9/27/11 |
| Method and apparatus for providing a low-latency connection between a data processor and a remote graphical user interface over a network | 12/380885 | 3/4/09 | 7,970,966 | 6/28/11 |

| Title | App. No. | Filing Date | Reg. No. | Date Granted |
|---|-----------|-------------|-----------|--------------|
| Methods and apparatus for encoding a shared drawing memory | 12/800590 | 5/18/10 | 7,916,956 | 3/29/11 |
| Methods and apparatus for bridging a USB connection | 11/278378 | 3/31/06 | 7,908,335 | 3/15/11 |
| Method and apparatus for securing a peripheral data interface | 11/711366 | 2/27/07 | 7,877,788 | 1/25/11 |
| Data comparison methods and apparatus suitable for image processing and motion search | 11/173318 | 6/30/05 | 7,864,857 | 1/4/11 |
| Method and apparatus for managing remote display updates | 12/284831 | 9/25/08 | 7,844,848 | 11/30/10 |
| Methods and apparatus for encoding a digital video signal | 11/532865 | 9/18/06 | 7,822,278 | 10/26/10 |
| Method and apparatus for generating masks for a multi-layer image decomposition | 11/173303 | 6/30/05 | 7,782,339 | 8/24/10 |
| Methods and apparatus for encoding a shared drawing memory | 11/333955 | 11/17/06 | 7,747,086 | 6/29/10 |
| Methods and apparatus for bridging a bus controller | 11/535394 | 9/26/06 | 7,676,605 | 3/9/10 |
| Methods and apparatus for scan block caching | 11/173817 | 6/30/05 | 7,672,005 | 3/2/10 |
| Methods and apparatus for managing a user interface on a powered network | 11/535016 | 9/25/06 | 7,650,519 | 1/19/10 |
| Method and apparatus for providing a low-latency connection between a data processor and a remote graphical user interface over a network | 11/284676 | 11/21/05 | 7,516,255 | 4/7/09 |
| Methods and apparatus for interfacing a drawing memory with a remote display controller | 11/278109 | 3/30/06 | 7,430,681 | 9/30/08 |

EXHIBIT C

Trademarks

| Mark | App. No. | Filing Date | Reg. No. | Reg. Date |
|---|-----------|-------------|-----------|-----------|
| PC OVER IP | 86/224169 | 3/18/14 | 4,771,297 | 7/14/15 |
|  | 85/863957 | 3/1/13 | 4,421,330 | 10/22/13 |
|  | 85/863951 | 3/1/13 | 4,421,328 | 10/22/13 |
|  | 85/863943 | 3/1/13 | 4,421,327 | 10/22/13 |
|  | 85/861283 | 2/27/13 | 4,424,765 | 10/29/13 |
| TERADICI | 77/198189 | 6/5/07 | 3,408,338 | 4/8/08 |
| PCOIP | 77/198185 | 6/5/07 | 3,408,337 | 4/8/08 |

EXHIBIT C

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