

3/9/15

03/11/2015

FORM PTO-1595

(Rev. 08/05)

Office OMB No. 0651-0027 (exp. 06/30/2008)



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U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark

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):

Silicon Valley Bank
3003 Tasman Drive
Santa Clara, CA 95054Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date: 02/29/2012

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

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

Name: Ramtron International Corporation

Internal Address:

Street Address: 1850 Ramtron Drive

City: Colorado Springs

State: CO

Country: USA Zip: 80921

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

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)

5909624 5608246 7176824 7271744

7120220 7142627 7116572 7313010

7570090 7652909 7672151 7924599

8081500

Additional numbers attached? ☐ Yes ☒ No

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

Name: UCC Direct

Internal Address: Attn: 14080632

Street Address: 187 Wolf Road, Suite 101

City: Albany

State: NY

Zip: 12205

Phone Number: 1-800-342-3676 X 4065

Fax Number: 1-800-962-7049

Email Address: cls-uds@albany@wolterskluwer.com

6. Total number of applications and patents involved: 13

7. Total fee (37 CFR 1.21 (h) & 3.41) \$ 520.00

- ☒ 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 0974
Expiration Date 3-17

b. Deposit Account Number

Authorized User Name

9. Signature:

 Signature
 Joseph D. Borgman
 Name of Person Signing

03/17/2013 3:08:15 00000028 5909624

01 FC:8021

Date

520.00 0P

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

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
 Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

PATENT
 REEL: 035198 FRAME: 0959

**RELEASE OF SECURITY AGREEMENT COVERING
INTERESTS IN PATENTS**

Silicon Valley Bank ("Secured Party"), hereby releases its security interest in the interests of **Ramtron International Corporation**. ("Assignor") in the patented works set forth in that certain **Intellectual Property Security Agreement** dated 02/29/2012, executed by Assignor in favor of Secured Party recorded with the United States Department of Commerce, Patent and Trademark Office on 03/21/2012, Real 27905, Frame 963

Dated: 03/09/2015

SILICON VALLEY BANK

By: 
Name: Romil Randhawa
Title: Senior Operations Manager

AMENDED AND RESTATED INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Amended and Restated Intellectual Property Security Agreement (this "Agreement") is entered into as of the Effective Date by and between SILICON VALLEY BANK ("Bank") and RAMTRON INTERNATIONAL CORPORATION, a Delaware corporation ("Grantor").

RECTALS

A. Bank has agreed to make certain advances of money and to extend certain financial accommodation to Grantor (the "Loans") in the amounts and manner set forth in that certain Amended and Restated Loan and Security Agreement by and between Bank and Grantor dated the Effective Date (as the same may be amended, modified or supplemented from time to time, the "Loan Agreement"); capitalized terms used herein are used as defined in the Loan Agreement). Bank is willing to make the Loans to Grantor, but only upon the condition, among others, that Grantor shall grant to Bank a security interest in certain Copyrights, Trademarks, Patents, and Mask Works to secure the obligations of Grantor under the Loan Agreement. This Agreement amends and restates that certain Intellectual Property Security Agreement of Grantor dated as of August 18, 2009.

B. Pursuant to the terms of the Loan Agreement, Grantor has granted to Bank a security interest in all of Grantor's right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

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 when due of its obligations under the Loan Agreement, Grantor hereby represents, warrants, covenants and agrees as follows:

AGREEMENT

To secure its obligations under the Loan Agreement, 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, Trademarks and Mask Works listed on Schedules A, B, C, and D 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 security interest granted to Bank under the Loan Agreement. The rights and remedies of Bank with respect to the security interest granted hereby are in addition to those set forth in the Loan 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 Loan 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 Agreement, the Loan 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.

IN WITNESS WHEREOF, the parties have caused this Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

Address of Grantor:

1850 Ramtron Drive
Colorado Springs, CO 80921

Attn: Geny Richards

Address of Bank:

3003 Tasman Drive
Santa Clara, CA 95054-1191

Attn: Chris Ennis

GRANTOR:

RAMTRON INTERNATIONAL CORPORATION

By: 

Title: CEO

BANK:

SILICON VALLEY BANK

By: 

Title: Relationship Manager

EXHIBIT A

Copyrights

NONE

EXHIBIT B

Patents

SEE ATTACHED SCHEDULE B

Total Number of
Issued Patent Applications

RAM No.	Patent No.	Issue Date	Expiry Date	Inventor	Assignee
ISSUED PATENTS					
Applicant					
RAM 302 FWG	5,923,595	8/4/1994	8/4/2013	Tokemura	
RAM 357 FWG	5,889,928	2/27/1995	2/27/2013	Tokemura	
RAM 358 FWG 2	5,473,148	12/12/1996	12/12/2013	Tokemura	
RAM 360	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 368 DIV	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 369 FWG	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 370	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 371	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 378	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 378 DIV	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 384	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 384 DIV	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 388	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 397	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 398	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 398 DIV	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 405	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 407	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 407 DIV	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 407CIP	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 407CIP2	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 414	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 415	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 422	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 424	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 433	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 434	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 434CIP	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 435	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 435CIP	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 436	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 437	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 437CIP	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 438	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 438CIP	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 439	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 440	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 441	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 442	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 443	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 444	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 444CIP	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 445	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 445CIP	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 446	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 446CIP	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 447	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 447CIP	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 448	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 448CIP	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 449	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 449CIP	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 450	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 451	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 452	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 453	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 454	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 455	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 456	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 457	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 458	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 459	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 460	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 461	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 462	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 463	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 464	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 465	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 466	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 467	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 468	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 469	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 470	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 471	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 472	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 473	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 474	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 475	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 476	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 477	5,371,699	12/24/1994	12/24/2012	Tokemura	
RAM 478	5,371,699	12/24/1994	12/24/2012	Tokemura	

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3/8/2012

Total Number of
Issued Patent Applications

RAM 479	FRAM	Process and Structure for Masking	8,493,413	12/17/2002	12/17/2009	Sun, et al.	
RAM 480	FRAM	Capacitively Coupled FE Random	8,587,028	7/22/2003	7/22/2003	Glen Fox	
RAM 481	FRAM	Method for Mfg & FE Mem Cell	8,376,256	7/22/2003	4/21/2011	Chunfeng	
RAM 482	FRAM	Ferroelectric Random Access	8,445,908	9/3/2002	9/10/2010	Schwartz/Alvares	
RAM 483	FRAM	Ferroelectric Random Access	8,981,036	12/30/2003	12/30/2003	Schwartz/Alvares	
RAM 484	FRAM	Process for Producing High Qual	8,897,716	5/20/2005	5/20/2007	Fox/Chunfeng	FLURC
RAM 485	FRAM	Process for Producing a Structure	8,914,531	10/1/2004	10/1/2004	Sun	FLURC
RAM 486	FRAM	Ferroelectric Non-Volatile Logic	8,650,158	11/19/2003	11/19/2003	Elison	
RAM 487	FRAM	Ferroelectric Non-Volatile Logic	8,394,546	3/17/2005	3/17/2005	Elison	
RAM 488	FRAM	CMOS Boosting Circuit Utilizing	8,430,093	6/8/2002	6/8/2002	Elison/Kraus	
RAM 489	FRAM	FE Memory with Private Parallel	8,638,874	3/7/2003	3/7/2003	YB Chung	
RAM 490	FRAM	FE Semiconductor Memory	8,617,826	9/4/2003	9/4/2003	YB Chung	
RAM 491	FRAM	FE Semiconductor Memory	8,777,267	8/17/2004	8/17/2004	YB Chung	
RAM 492	FRAM	Self Refreshing 1T1C FE	8,468,895	12/1/2002	12/1/2002	Shin Suifan et al.	FLURC
RAM 493	FRAM	Method for Producing Crystal	8,953,935	2/9/2008	10/28/2012	Shin Suifan et al.	FLURC
RAM 494	FRAM	Method for Producing Crystal	8,728,083	4/27/2004	4/27/2004	Glen Fox	
RAM 495	FRAM	CMOS Voltage Booster Circuits	8,884,738	3/8/2005	3/8/2005	Glen Fox	
RAM 496	FRAM	9T-Line Shielding Method for 1T1C	8,619,801	11/16/2004	11/16/2004	Shin Suifan et al.	
RAM 497	FRAM	Programmable Reference for FE	8,830,838	12/14/2004	12/14/2004	Shin Suifan et al.	
RAM 498	FRAM	Method for Improving Reliability...	8,720,460	5/4/2004	5/4/2004	Shin Suifan et al.	
RAM 499	FRAM	Local Interconnect Using the Bias	8,883,076	12/25/2007	12/25/2007	Shin Suifan et al.	
RAM 500	FRAM	Impurity-Free Coating for Ferroelectric	8,883,076	12/25/2007	12/25/2007	Shin Suifan et al.	
RAM 501	FRAM	Impurity-Free Coating for Ferroelectric	8,883,076	12/25/2007	12/25/2007	Shin Suifan et al.	
RAM 502	FRAM	Non-Volatile Coating	8,883,076	12/25/2007	12/25/2007	Shin Suifan et al.	
RAM 503	FRAM	Counting Scheme with Automatic...	8,883,076	12/25/2007	12/25/2007	Shin Suifan et al.	
RAM 504	FRAM	Circuit for Generating a Constant...	8,883,076	12/25/2007	12/25/2007	Shin Suifan et al.	
RAM 505	FRAM	High Reliability Area Efficient...	8,883,076	12/25/2007	12/25/2007	Shin Suifan et al.	
RAM 506	FRAM	Non-Commuting Temp Sensing Device	8,883,076	12/25/2007	12/25/2007	Shin Suifan et al.	
RAM 507	FRAM	Fast Power-On Delay Circuit...	8,883,076	12/25/2007	12/25/2007	Shin Suifan et al.	
RAM 508	FRAM	2T2C Ferroelectric RAM with Complementary...	8,883,076	12/25/2007	12/25/2007	Shin Suifan et al.	
RAM 509	FRAM	Method for Reading Non-Volatile Ferroelectric...	8,883,076	12/25/2007	12/25/2007	Shin Suifan et al.	
RAM 510	FRAM	Non-Volatile Memory Circuit Using Ferro...	8,883,076	12/25/2007	12/25/2007	Shin Suifan et al.	
RAM 511	FRAM	Method for Utilizing Impurity in a Ferro...	8,883,076	12/25/2007	12/25/2007	Shin Suifan et al.	
Total 87							
Application	China	Method for Producing Crystallographically	21,031,239	7/16/06	9/11/2007	Shin Suifan et al.	
RAM 512	FRAM	Method for Producing Crystallographically	21,031,239	7/16/06	9/11/2007	Shin Suifan et al.	
RAM 513	FRAM	Method for Producing Crystallographically	21,031,239	7/16/06	9/11/2007	Shin Suifan et al.	
Total 2							
Application	China						
Application	Germany						
Total 0							
Application	Japan						
RAM 514	FRAM	Completely Encapsulated Top Electrode	4,511,442	8/20/2007	8/20/2007	Shin Suifan et al.	
RAM 515	FRAM	Dual-Level Metallization Method	2,982,475	10/1/2003	10/1/2003	Shin Suifan et al.	
RAM 516	FRAM	Sensing Methodology for a 1T1G	4,188,472	9/19/2008	9/19/2008	Shin Suifan et al.	
Total 3							
Application	Japan						
Application	Korea						
RAM 517	FRAM	Ferroelectric Thin Films and Sol...	4,531,416	10/8/2004	10/8/2004	Shin Suifan	
Total 1							

3/8/2012
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3/8/2012

EXHIBIT C

Trademarks

NONE

EXHIBIT D

Mask Works

NONE