

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM643153

|                                   |   |                       |  |
|-----------------------------------|---|-----------------------|--|
| <b>SUBMISSION TYPE:</b>           | NEW ASSIGNMENT                                      |                       |  |
| <b>NATURE OF CONVEYANCE:</b>      | First Lien Intellectual Property Security Agreement |                       |  |
| <b>SEQUENCE:</b>                  | 1   |                       |  |
| <b>CONVEYING PARTY DATA</b>       |   |                       |  |
| <b>Name</b>                       | <b>Formerly</b>                                     | <b>Execution Date</b> | <b>Entity Type</b>                     |
| RSA Security LLC                  |   | 04/27/2021            | Limited Liability Company:<br>DELAWARE |
| <b>RECEIVING PARTY DATA</b>       |   |                       |  |
| <b>Name:</b>                      | JPMorgan Chase Bank, N.A., as collateral agent      |                       |  |
| <b>Street Address:</b>            | 383 Madison Avenue                                  |                       |  |
| <b>City:</b>                      | New York  |                       |  |
| <b>State/Country:</b>             | NEW YORK  |                       |  |
| <b>Postal Code:</b>               | 10179   |                       |  |
| <b>Entity Type:</b>               | National Association: UNITED STATES                 |                       |  |
| <b>PROPERTY NUMBERS Total: 17</b> |   |                       |  |
| <b>Property Type</b>              | <b>Number</b>                                       | <b>Word Mark</b>      |  |
| <b>Registration Number:</b>       | 4140981   | ARCHER                |  |
| <b>Registration Number:</b>       | 3325062   | ENVISION              |  |
| <b>Registration Number:</b>       | 2674324   | NETWITNESS            |  |
| <b>Registration Number:</b>       | 1914609   | RC2                   |  |
| <b>Registration Number:</b>       | 1911168   | RC4                   |  |
| <b>Registration Number:</b>       | 5768047   | RSA                   |  |
| <b>Registration Number:</b>       | 4070748   | RSA                   |  |
| <b>Registration Number:</b>       | 4070749   | RSA                   |  |
| <b>Registration Number:</b>       | 2464394   | RSA                   |  |
| <b>Registration Number:</b>       | 2335885   | RSA                   |  |
| <b>Registration Number:</b>       | 2345277   | RSA                   |  |
| <b>Registration Number:</b>       | 2507742   | RSA                   |  |
| <b>Registration Number:</b>       | 2594941   | RSA SECURED           |  |
| <b>Registration Number:</b>       | 5871464   | SECURID               |  |
| <b>Registration Number:</b>       | 1429087   | SECURID               |  |
| <b>Registration Number:</b>       | 1778802   | SECURID               |  |
| <b>Registration Number:</b>       | 2561120   | SMART RULES           |  |

CH \$440.00 4140981

**CORRESPONDENCE DATA****Fax Number:**

*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.*

**Phone:** 2136207848  
**Email:** iprecordations@whitecase.com  
**Correspondent Name:** Justine Lu/White & Case LLP  
**Address Line 1:** 555 South Flower Street, 2700  
**Address Line 4:** Los Angeles, CALIFORNIA 90071

|                                |                   |
|--------------------------------|-------------------|
| <b>ATTORNEY DOCKET NUMBER:</b> | 1107993-0223-S216 |
|--------------------------------|-------------------|

|                           |            |
|---------------------------|------------|
| <b>NAME OF SUBMITTER:</b> | Justine Lu |
|---------------------------|------------|

|                   |              |
|-------------------|--------------|
| <b>SIGNATURE:</b> | /Justine Lu/ |
|-------------------|--------------|

|                     |            |
|---------------------|------------|
| <b>DATE SIGNED:</b> | 04/29/2021 |
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**Total Attachments: 14**

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**FIRST LIEN INTELLECTUAL PROPERTY SECURITY AGREEMENT**

This **FIRST LIEN INTELLECTUAL PROPERTY SECURITY AGREEMENT** (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “IP Security Agreement”) dated April 27, 2021, is among the Persons listed on the signature pages hereof (collectively, the “Grantors”) and JPMorgan Chase Bank, N.A. (“JPM”), as collateral agent (the “Collateral Agent”) for the Secured Parties (as defined in the Credit Agreement referred to below).

WHEREAS, Redstone Holdco 1 LP, a Delaware limited partnership (“Holdings”), Redstone Holdco 2 LP, a Delaware limited partnership (the “Parent”), Redstone GP Holdco 2 LLC, a Delaware limited liability company (“Parent GP”), Redstone Buyer, LLC, a Delaware limited liability company (“Redstone Buyer”), Redstone Intermediate (Archer) Holdco LLC, a Delaware limited liability company (“Redstone Archer”), Redstone Intermediate (FRI) Holdco LLC, a Delaware limited liability company (“Redstone FRI”), Redstone Intermediate (NetWitness) Holdco LLC, a Delaware limited liability company (“Redstone NetWitness”), and Redstone Intermediate (SecurID) Holdco LLC, a Delaware limited liability company (“Redstone SecurID” and, collectively with the Parent, Redstone Buyer, Redstone Archer, Redstone FRI and Redstone NetWitness, the “Borrower”) have entered into that certain First Lien Credit Agreement, dated as of April 27, 2021 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “Credit Agreement”), with the Lenders from time to time party thereto and JPM, as Administrative Agent, Collateral Agent and an L/C Issuer. Capitalized terms defined in the Credit Agreement or in the Security Agreement (as defined below) and not otherwise defined herein are used herein as defined in the Credit Agreement or the Security Agreement, as the case may be (and in the event of a conflict, the applicable definition shall be the one given to such term in the Security Agreement).

WHEREAS, as a condition precedent to the making of the Loans by the Lenders from time to time and the issuance of Letters of Credit by the L/C Issuers from time to time, the entry into Secured Hedge Agreements by the Hedge Banks from time to time and the entry into Secured Cash Management Agreements by the Cash Management Banks from time to time, each Grantor has executed and delivered that certain First Lien Security Agreement, dated as of April 27, 2021 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “Security Agreement”), among the Grantors from time to time party thereto and the Collateral Agent.

WHEREAS, under the terms of the Security Agreement, the Grantors have granted to the Collateral Agent, for the benefit of the Secured Parties, a security interest in, among other property, certain intellectual property of the Grantors, and have agreed thereunder to execute this IP Security Agreement for recording with the USPTO and/or the USCO, as applicable.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Grantor agrees as follows:

A. Grant of Security. Each Grantor, as collateral security for the prompt and complete payment and performance of the Secured Obligations of such Grantor, hereby grants to the Collateral Agent (and its successors and permitted assigns), for the benefit of the Secured Parties, a security interest in and to all of such Grantor’s right, title and interest in and to the following, whether now owned or hereafter acquired by the undersigned (the “Collateral”):

a. all patents and patent applications, including, without limitation, those set forth in Schedule A hereto (the “Patents”);

b. all trademark and service mark registrations and applications, including, without limitation, those set forth in Schedule B hereto (provided that no security interest shall be granted in United States intent-to-use trademark applications prior to the filing and acceptance of a "Statement of Use" pursuant to Section 1(d) of the Lanham Act or an "Amendment to Allege Use" pursuant to Section 1(c) of the Lanham Act with respect thereto, to the extent that, and solely so long as, the creation of a security interest therein or the assignment thereof would impair the validity or enforceability of any registration that issues from such intent-to-use application under applicable federal law or result in the loss of any material rights therein), together with the goodwill symbolized thereby (the "Trademarks");

c. all copyrights, whether registered or unregistered, including, without limitation, the copyright registrations and applications set forth in Schedule C hereto (the "Copyrights");

d. all reissues, divisions, continuations, continuations-in-part, extensions, renewals and reexaminations of any of the foregoing, all rights in the foregoing provided by international treaties or conventions, all rights corresponding thereto throughout the world and all other rights of any kind whatsoever of such Grantor accruing thereunder or pertaining thereto;

e. any and all claims for damages and injunctive relief for past, present and future infringement, dilution, misappropriation, violation, misuse or breach with respect to any of the foregoing, with the right, but not the obligation, to sue for and collect, or otherwise recover, such damages; and

f. any and all proceeds of, collateral for, income, royalties and other payments now or hereafter due and payable with respect to, and supporting obligations relating to, any and all of the Collateral of or arising from any of the foregoing; provided that notwithstanding anything to the contrary contained in the foregoing clauses (a) through (f), the security interest created hereby shall not extend to, and the term "Collateral" shall not include, any Excluded Property.

B. Security for Obligations. The grant of a security interest in the Collateral by each Grantor under this IP Security Agreement secures the payment of all Secured Obligations of such Grantor now or hereafter existing under or in respect of the Secured Documents (as such Secured Documents may be amended, restated, amended and restated, supplemented, replaced, refinanced or otherwise modified from time to time (including any increases of the principal amount outstanding thereunder)). Without limiting the generality of the foregoing, this IP Security Agreement secures, as to each Grantor, the payment of all amounts that constitute part of the Secured Obligations that would be owed by such Grantor to any Secured Party under the Secured Documents but for the fact that they are unenforceable or not allowable due to the existence of a bankruptcy, or reorganization or similar proceeding involving a Loan Party.

C. Recordation. Each Grantor authorizes and requests that the Register of Copyrights, the Commissioner for Patents and the Commissioner for Trademarks record this IP Security Agreement.

D. Execution in Counterparts; Electronic Execution. This IP Security Agreement may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement. The words "execution," "execute," "signed," "signature," and words of like import in this IP Security Agreement or any amendment or other modification hereof shall be deemed to include electronic signatures or the keeping of records in electronic form, each of which shall be of the same legal effect, validity or enforceability as a manually executed signature or the use of a paper-based recordkeeping system, as the case may be, to the extent and as provided for in any applicable Law, including the Federal Electronic Signatures in Global and National Commerce Act, the New York State Electronic Signatures and Records Act, or any other similar state laws based on the Uniform Electronic Transactions Act.

E. Grants, Rights and Remedies. This IP Security Agreement has been entered into in conjunction with the provisions of the Security Agreement. Each Grantor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the Collateral Agent with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this IP Security Agreement and the terms of the Security Agreement, the terms of the Security Agreement shall govern.

F. Governing Law; Jurisdiction; Etc. Sections 10.15, 10.16 and 10.17 of the Credit Agreement are hereby incorporated by reference, *mutatis mutandis*.

G. Intercreditor Agreement. Notwithstanding any provision to the contrary in this IP Security Agreement (but without expanding the scope of the Collateral as set forth in this IP Security Agreement and the Credit Agreement), in the event of any conflict or inconsistency between the provisions of the First Lien/Second Lien Intercreditor Agreement (or any other intercreditor agreement entered into by the Collateral Agent in accordance with Section 9.11 of the Credit Agreement) and this IP Security Agreement, the provisions of the First Lien/Second Lien Intercreditor Agreement or such other intercreditor agreement, as applicable, shall prevail.

[SIGNATURE PAGES FOLLOW]

IN WITNESS WHEREOF, each Grantor and the Collateral Agent have caused this IP Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first written above.

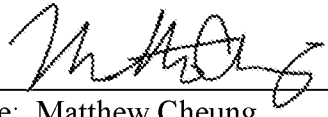
**RSA SECURITY LLC**

DocuSigned by:

By:   
Name: Rohit Ghat  
Title: Chief Executive Officer

[Signature Page to Redstone First Lien IP Security Agreement]

JPMORGAN CHASE BANK, N.A.,  
as Collateral Agent

By:   
Name: Matthew Cheung  
Title: Vice President

**Schedule A****PATENTS**

| No. | Title   | Application No. | Filing Date | Patent No. | Issue Date | Status  | Expiration Date | Current Owner of Record |
|-----|---|-----------------|-------------|------------|------------|---------|-----------------|-------------------------|
| 1.  | Robust visual passwords   | 09815560        | 2001-03-23  | 7219368    | 2007-05-15 | Granted | 2022 Aug 29     | RSA Security LLC        |
| 2.  | Server-assisted regeneration of a strong secret from a weak secret                | 09804460        | 2001-03-12  | 7359507    | 2008-04-15 | Granted | 2023 Feb 28     | RSA Security LLC        |
| 3.  | Targeted delivery of informational content with privacy protection                | 09802278        | 2001-03-08  | 7472093    | 2008-12-30 | Granted | 2021 Mar 08     | RSA Security LLC        |
| 4.  | Order invariant fuzzy commitment system   | 09994476        | 2001-11-26  | 7602904    | 2009-10-13 | Granted | 2024 Aug 10     | RSA Security LLC        |
| 5.  | Storing digital secrets in a vault  | 11265539        | 2005-11-02  | 7739733    | 2010-06-15 | Granted | 2029 Apr 01     | RSA Security LLC        |
| 6.  | Detecting and preventing replay in authentication systems                         | 11607836        | 2006-12-01  | 7810147    | 2010-10-05 | Granted | 2029 Apr 24     | RSA Security LLC        |
| 7.  | Encoding token commands/data within data streams for standard interfaces          | 11424427        | 2006-06-15  | 7831837    | 2010-11-09 | Granted | 2029 Apr 12     | RSA Security LLC        |
| 8.  | Method and apparatus for mitigating current drain in a low-power hand-held device | 11862783        | 2007-09-27  | 7921311    | 2011-04-05 | Granted | 2029 Oct 17     | RSA Security LLC        |
| 9.  | Packaging for authentication tokens   | 12336381        | 2008-12-16  | 8006842    | 2011-08-30 | Granted | 2029 Jul 28     | RSA Security LLC        |
| 10. | Reset-tolerant authentication device  | 11766301        | 2007-06-21  | 8046596    | 2011-10-25 | Granted | 2030 Aug 24     | RSA Security LLC        |
| 11. | Techniques for carrying out seed or key derivation                                | 11864001        | 2007-09-28  | 8059814    | 2011-11-15 | Granted | 2030 Sep 14     | RSA Security LLC        |
| 12. | Secure seed provisioning  | 11824434        | 2007-06-29  | 8060750    | 2011-11-15 | Granted | 2030 Aug 24     | RSA Security LLC        |
| 13. | Method and apparatus for testing authentication tokens                            | 12336393        | 2008-12-16  | 8190906    | 2012-05-29 | Granted | 2031 Mar 29     | RSA Security LLC        |
| 14. | Method and apparatus for secure validation of tokens                              | 12114245        | 2008-05-02  | 8307210    | 2012-11-06 | Granted | 2031 Feb 12     | RSA Security LLC        |
| 15. | Agile OTP generation  | 12895130        | 2010-09-30  | 8312519    | 2012-11-13 | Granted | 2031 Jun 18     | RSA Security LLC        |



| No. | Title   | Application No. | Filing Date | Patent No. | Issue Date | Status  | Expiration Date | Current Owner of Record |
|-----|---|-----------------|-------------|------------|------------|---------|-----------------|-------------------------|
| 16. | One-time password authentication employing local testing of candidate passwords from one-time password server | 12750758        | 2010-03-31  | 8412928    | 2013-04-02 | Granted | 2031 Jun 26     | RSA Security LLC        |
| 17. | Methods and apparatus for delegated authentication  | 11930738        | 2007-10-31  | 8413221    | 2013-04-02 | Granted | 2031 Nov 09     | RSA Security LLC        |
| 18. | Virtual smart card through a PC/SC interface  | 12894502        | 2010-09-30  | 8453232    | 2013-05-28 | Granted | 2031 May 26     | RSA Security LLC        |
| 19. | Device-based password management  | 12893684        | 2010-09-29  | 8499157    | 2013-07-30 | Granted | 2031 Sep 07     | RSA Security LLC        |
| 20. | Automatically estimating clock offset   | 12826935        | 2010-06-30  | 8560837    | 2013-10-15 | Granted | 2031 Dec 10     | RSA Security LLC        |
| 21. | Indicating errors in connection with devices  | 13226878        | 2011-09-07  | 8564453    | 2013-10-22 | Granted | 2032 May 30     | RSA Security LLC        |
| 22. | Agile OTP generation  | 13663535        | 2012-10-30  | 8566916    | 2013-10-22 | Granted | 2030 Sep 30     | RSA Security LLC        |
| 23. | Authentication using dynamic, client information based PIN  | 13173607        | 2011-06-30  | 8650405    | 2014-02-11 | Granted | 2031 Nov 17     | RSA Security LLC        |
| 24. | Network event capture and retention system  | 11443325        | 2006-05-30  | 8676960    | 2014-03-18 | Granted | 2027 Apr 15     | RSA Security LLC        |
| 25. | Soft token posture assessment   | 13435616        | 2012-03-30  | 8683563    | 2014-03-25 | Granted | 2032 Apr 05     | RSA Security LLC        |
| 26. | Managing authentication of virtual clients  | 13432457        | 2012-03-28  | 8739257    | 2014-05-27 | Granted | 2032 Mar 28     | RSA Security LLC        |
| 27. | Generating alerts in event management systems   | 13248572        | 2011-09-29  | 8739290    | 2014-05-27 | Granted | 2031 Sep 29     | RSA Security LLC        |
| 28. | Processorless token for producing a one-time password   | 13532309        | 2012-06-25  | 8752148    | 2014-06-10 | Granted | 2032 Jun 25     | RSA Security LLC        |
| 29. | Detecting soft token copies   | 13435848        | 2012-03-30  | 8752156    | 2014-06-10 | Granted | 2032 Jul 31     | RSA Security LLC        |
| 30. | Generating authentication codes   | 12241166        | 2008-09-30  | 8756666    | 2014-06-17 | Granted | 2032 Jan 25     | RSA Security LLC        |
| 31. | Authentication of a user accessing a protected resource using multi-channel protocol                          | 13617159        | 2012-09-14  | 8769289    | 2014-07-01 | Granted | 2032 Sep 14     | RSA Security LLC        |
| 32. | Mobile offline authentication using one-time passcodes  | 13627224        | 2012-09-26  | 8799655    | 2014-08-05 | Granted | 2032 Oct 04     | RSA Security LLC        |

| No. | Title   | Application No. | Filing Date | Patent No. | Issue Date | Status  | Expiration Date | Current Owner of Record |
|-----|---|-----------------|-------------|------------|------------|---------|-----------------|-------------------------|
| 33. | Content randomization for thwarting malicious software attacks  | 13716327        | 2012-12-17  | 8806627    | 2014-08-12 | Granted | 2032 Dec 17     | RSA Security LLC        |
| 34. | Variable epoch scheduler for proactive cryptography systems   | 13731346        | 2012-12-31  | 8817988    | 2014-08-26 | Granted | 2032 Dec 31     | RSA Security LLC        |
| 35. | Validating association of client devices with authenticated clients   | 13537594        | 2012-06-29  | 8819803    | 2014-08-26 | Granted | 2032 Aug 21     | RSA Security LLC        |
| 36. | Agile OTP generation  | 14058389        | 2013-10-21  | 8850538    | 2014-09-30 | Granted | 2032 Oct 30     | RSA Security LLC        |
| 37. | View computation and transmission for a set of keys refreshed over multiple epochs in a cryptographic device        | 13713658        | 2012-12-13  | 8874904    | 2014-10-28 | Granted | 2032 Dec 13     | RSA Security LLC        |
| 38. | Preventing user enumeration by an authentication server   | 13630003        | 2012-09-28  | 8875255    | 2014-10-28 | Granted | 2032 Oct 04     | RSA Security LLC        |
| 39. | Techniques for securing a one-time passcode with an alteration code   | 13731443        | 2012-12-31  | 8904482    | 2014-12-02 | Granted | 2032 Dec 31     | RSA Security LLC        |
| 40. | Detection of tampering with software installed on a processing device   | 13625497        | 2012-09-24  | 8938805    | 2015-01-20 | Granted | 2033 Jan 23     | RSA Security LLC        |
| 41. | Mobile device identification by device element collection   | 13628441        | 2012-09-27  | 8965340    | 2015-02-24 | Granted | 2033 Apr 20     | RSA Security LLC        |
| 42. | Protected resource access control utilizing credentials based on message authentication codes and hash chain values | 13931083        | 2013-06-28  | 8984602    | 2015-03-17 | Granted | 2033 Aug 29     | RSA Security LLC        |
| 43. | Cryptographic device operable in a challenge-response mode  | 13708322        | 2012-12-07  | 9015476    | 2015-04-21 | Granted | 2033 Jun 18     | RSA Security LLC        |
| 44. | Online and offline validation of tokencodes   | 14031628        | 2013-09-19  | 9043605    | 2015-05-26 | Granted | 2033 Sep 19     | RSA Security LLC        |
| 45. | Token-based key generation  | 13853207        | 2013-03-29  | 9071424    | 2015-06-30 | Granted | 2033 May 10     | RSA Security LLC        |
| 46. | Layout design for a mobile application using selected governance, risk management and compliance rules              | 13838948        | 2013-03-15  | 9075583    | 2015-07-07 | Granted | 2033 Jun 10     | RSA Security LLC        |

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|-----|--|-----------------|-------------|------------|------------|---------|-----------------|-------------------------|
| 47. | Knowledge-based authentication for restricting access to mobile devices  | 13625418        | 2012-09-24  | 9078129    | 2015-07-07 | Granted | 2032 Nov 02     | RSA Security LLC        |
| 48. | Forward secure pseudorandom number generation resilient to forward clock attacks                               | 13728271        | 2012-12-27  | 9083515    | 2015-07-14 | Granted | 2033 Aug 19     | RSA Security LLC        |
| 49. | Agile OTP generation   | 14451839        | 2014-08-05  | 9118663    | 2015-08-25 | Granted | 2030 Oct 17     | RSA Security LLC        |
| 50. | Authentication using security device with electronic interface   | 13803567        | 2013-03-14  | 9130753    | 2015-09-08 | Granted | 2033 Mar 14     | RSA Security LLC        |
| 51. | Challenge-response authentication of a cryptographic device  | 13711859        | 2012-12-12  | 9154480    | 2015-10-06 | Granted | 2033 Mar 17     | RSA Security LLC        |
| 52. | Increasing entropy for password and key generation on a mobile device  | 14036498        | 2013-09-25  | 9160744    | 2015-10-13 | Granted | 2033 Oct 21     | RSA Security LLC        |
| 53. | Gateway mediated mobile device authentication  | 13539392        | 2012-06-30  | 9178880    | 2015-11-03 | Granted | 2032 Jun 30     | RSA Security LLC        |
| 54. | Using link analysis in adversarial knowledge-based authentication model  | 13628642        | 2012-09-27  | 9202173    | 2015-12-01 | Granted | 2033 Nov 24     | RSA Security LLC        |
| 55. | Multi-server authentication using proactivation journaling   | 13600641        | 2012-08-31  | 9230075    | 2016-01-05 | Granted | 2033 Oct 12     | RSA Security LLC        |
| 56. | Computer system employing dual-band authentication   | 14038929        | 2013-09-27  | 9240988    | 2016-01-19 | Granted | 2033 Sep 27     | RSA Security LLC        |
| 57. | Configurable one-time authentication tokens with improved resilience to attacks                                | 13837259        | 2013-03-15  | 9270655    | 2016-02-23 | Granted | 2033 Jun 05     | RSA Security LLC        |
| 58. | Server methods and apparatus for processing passcodes generated by configurable one-time authentication tokens | 14662600        | 2015-03-19  | 9294473    | 2016-03-22 | Granted | 2033 Mar 15     | RSA Security LLC        |
| 59. | Agile OTP generation   | 14710768        | 2015-05-13  | 9306942    | 2016-04-05 | Granted | 2030 Sep 30     | RSA Security LLC        |
| 60. | Access point-authentication server combination   | 13853653        | 2013-03-29  | 9306943    | 2016-04-05 | Granted | 2033 Jul 22     | RSA Security LLC        |
| 61. | Sharing a cryptographic device by partitioning challenge-response space  | 13708343        | 2012-12-07  | 9323909    | 2016-04-26 | Granted | 2033 Jun 19     | RSA Security LLC        |

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|-----|--|-----------------|-------------|------------|------------|---------|-----------------|-------------------------|
| 62. | Message encryption and decryption utilizing low-entropy keys   | 14041150        | 2013-09-30  | 9325499    | 2016-04-26 | Granted | 2034 Aug 26     | RSA Security LLC        |
| 63. | Distributing access and identification tokens in a mobile environment                                      | 14041125        | 2013-09-30  | 9332433    | 2016-05-03 | Granted | 2034 May 14     | RSA Security LLC        |
| 64. | Recovery mechanism for fault-tolerant split-server passcode verification of one-time authentication tokens | 14319417        | 2014-06-30  | 9350545    | 2016-05-24 | Granted | 2034 Nov 08     | RSA Security LLC        |
| 65. | Distributed protection of credential stores utilizing multiple keys derived from a master key              | 14136423        | 2013-12-20  | 9374221    | 2016-06-21 | Granted | 2034 Jun 13     | RSA Security LLC        |
| 66. | Authentication using cryptographic value derived from a shared secret of a near field communication tag    | 13917112        | 2013-06-13  | 9379894    | 2016-06-28 | Granted | 2033 Aug 22     | RSA Security LLC        |
| 67. | Access management system   | 14488377        | 2014-09-17  | 9380076    | 2016-06-28 | Granted | 2034 Oct 07     | RSA Security LLC        |
| 68. | Managing seed provisioning   | 13246406        | 2011-09-27  | 9398005    | 2016-07-19 | Granted | 2034 Apr 27     | RSA Security LLC        |
| 69. | Network event capture and retention system   | 10727193        | 2003-12-03  | 9401838    | 2016-07-26 | Granted | 2029 Feb 09     | RSA Security LLC        |
| 70. | Transferring soft token authentication capabilities to a new device  | 14036627        | 2013-09-25  | 9401905    | 2016-07-26 | Granted | 2034 May 20     | RSA Security LLC        |
| 71. | User authentication  | 13628794        | 2012-09-27  | 9405891    | 2016-08-02 | Granted | 2032 Sep 27     | RSA Security LLC        |
| 72. | Adding entropy to key generation on a mobile device  | 13927386        | 2013-06-26  | 9407441    | 2016-08-02 | Granted | 2034 Feb 02     | RSA Security LLC        |
| 73. | Multi-server passcode verification for one-time authentication tokens with auxiliary channel compatibility | 14144712        | 2013-12-31  | 9407631    | 2016-08-02 | Granted | 2034 Jun 02     | RSA Security LLC        |
| 74. | Fast-flux detection utilizing domain name system information   | 14471540        | 2014-08-28  | 9426168    | 2016-08-23 | Granted | 2034 Dec 27     | RSA Security LLC        |
| 75. | Split tokenization   | 13729155        | 2012-12-28  | 9430655    | 2016-08-30 | Granted | 2034 Jul 07     | RSA Security LLC        |

| No. | Title  | Application No. | Filing Date | Patent No. | Issue Date | Status  | Expiration Date | Current Owner of Record |
|-----|--|-----------------|-------------|------------|------------|---------|-----------------|-------------------------|
| 76. | Automated token renewal using OTP-based authentication codes   | 14500135        | 2014-09-29  | 9432339    | 2016-08-30 | Granted | 2035 Mar 19     | RSA Security LLC        |
| 77. | Security-aware split-server passcode verification for one-time authentication tokens                       | 14187248        | 2014-02-22  | 9432360    | 2016-08-30 | Granted | 2034 May 08     | RSA Security LLC        |
| 78. | Network event capture and retention system   | 11442569        | 2006-05-26  | 9438470    | 2016-09-06 | Granted | 2027 Dec 30     | RSA Security LLC        |
| 79. | Remote authentication using near field communication tag   | 13923764        | 2013-06-21  | 9571164    | 2017-02-14 | Granted | 2034 Oct 17     | RSA Security LLC        |
| 80. | Dynamic knowledge-based user authentication without need for presentation of predetermined credential      | 12333385        | 2008-12-12  | 9674177    | 2017-06-06 | Granted | 2032 Oct 18     | RSA Security LLC        |
| 81. | Detecting periodicity in a stream of events  | 14229028        | 2014-03-28  | 9690930    | 2017-06-27 | Granted | 2035 Nov 17     | RSA Security LLC        |
| 82. | Recovery mechanism for fault-tolerant split-server passcode verification of one-time authentication tokens | 15097773        | 2016-04-13  | 9749314    | 2017-08-29 | Granted | 2034 Jun 30     | RSA Security LLC        |
| 83. | Managing use of security keys  | 13731455        | 2012-12-31  | 9774446    | 2017-09-26 | Granted | 2032 Dec 31     | RSA Security LLC        |
| 84. | Distributed proactive password-based secret sharing  | 14984389        | 2015-12-30  | 9813244    | 2017-11-07 | Granted | 2036 Feb 10     | RSA Security LLC        |
| 85. | Detection of malicious web activity in enterprise computer networks  | 15085551        | 2016-03-30  | 9838407    | 2017-12-05 | Granted | 2036 Jul 23     | RSA Security LLC        |
| 86. | Detection and remediation of watering hole attacks directed against an enterprise                          | 14954043        | 2015-11-30  | 9838419    | 2017-12-05 | Granted | 2036 Apr 29     | RSA Security LLC        |
| 87. | Forward secure one-time authentication tokens with embedded time hints                                     | 13828503        | 2013-03-14  | 9871785    | 2018-01-16 | Granted | 2033 Jun 29     | RSA Security LLC        |
| 88. | Key provisioning method and apparatus for authentication tokens  | 14092028        | 2013-11-27  | 9917694    | 2018-03-13 | Granted | 2034 Jun 01     | RSA Security LLC        |
| 89. | Methods and apparatus for generalized password-based secret sharing  | 14984352        | 2015-12-30  | 9929860    | 2018-03-27 | Granted | 2036 Mar 27     | RSA Security LLC        |

| No.  | Title   | Application No. | Filing Date | Patent No. | Issue Date | Status  | Expiration Date | Current Owner of Record |
|------|---|-----------------|-------------|------------|------------|---------|-----------------|-------------------------|
| 90.  | Security-aware single-server passcode verification for one-time authentication tokens   | 14266201        | 2014-04-30  | 9967251    | 2018-05-08 | Granted | 2036 Sep 11     | RSA Security LLC        |
| 91.  | Efficient detection of network anomalies  | 14972613        | 2015-12-17  | 9967275    | 2018-05-08 | Granted | 2036 Jun 07     | RSA Security LLC        |
| 92.  | Entropy-based beaconing detection   | 14969801        | 2015-12-15  | 9985980    | 2018-05-29 | Granted | 2036 Apr 13     | RSA Security LLC        |
| 93.  | Classifying potentially malicious and benign software modules through similarity analysis   | 15082731        | 2016-03-28  | 9998484    | 2018-06-12 | Granted | 2036 Aug 07     | RSA Security LLC        |
| 94.  | Method, apparatus and computer program product for verifying caller identification in voice communications                            | 15490145        | 2017-04-18  | 10063699   | 2018-08-28 | Granted | 2037 Apr 18     | RSA Security LLC        |
| 95.  | Controlling user access to protected resource based on outcome of one-time passcode authentication token and predefined access policy | 14266192        | 2014-04-30  | 10091204   | 2018-10-02 | Granted | 2036 Oct 09     | RSA Security LLC        |
| 96.  | Identification and removal of duplicate event records from a security information and event management database                       | 15078375        | 2016-03-23  | 10108634   | 2018-10-23 | Granted | 2037 Feb 04     | RSA Security LLC        |
| 97.  | Managing use of security keys   | 15684087        | 2017-08-23  | 10116438   | 2018-10-30 | Granted | 2032 Dec 31     | RSA Security LLC        |
| 98.  | Server using proof-of-work technique for hardening against denial of service attacks  | 15194679        | 2016-06-28  | 10116693   | 2018-10-30 | Granted | 2037 Jan 01     | RSA Security LLC        |
| 99.  | Classifying software modules based on comparisons using a neighborhood distance metric  | 15191027        | 2016-06-23  | 10122742   | 2018-11-06 | Granted | 2037 Jun 27     | RSA Security LLC        |
| 100. | Efficient operation of GRC processing platforms   | 14980252        | 2015-12-28  | 10140267   | 2018-11-27 | Granted | 2037 Jan 24     | RSA Security LLC        |
| 101. | Authenticating by labeling  | 14227506        | 2014-03-27  | 10229260   | 2019-03-12 | Granted | 2034 Mar 27     | RSA Security LLC        |
| 102. | Detecting periodic behavior in a communication session using clustering   | 15192034        | 2016-06-24  | 10230744   | 2019-03-12 | Granted | 2037 Jan 21     | RSA Security LLC        |
| 103. | Authenticating by labeling  | 15434795        | 2017-02-16  | 10263972   | 2019-04-16 | Granted | 2034 Apr 28     | RSA Security LLC        |

| No.  | Title  | Application No. | Filing Date | Patent No. | Issue Date | Status  | Expiration Date | Current Owner of Record |
|------|--|-----------------|-------------|------------|------------|---------|-----------------|-------------------------|
| 104. | Token seed protection for multi-factor authentication systems  | 15180284        | 2016-06-13  | 10289835   | 2019-05-14 | Granted | 2037 Jan 09     | RSA Security LLC        |
| 105. | Method, apparatus and computer program product for assessing the risk of electronic communications using logon types | 15581055        | 2017-04-28  | 10356120   | 2019-07-16 | Granted | 2038 Jan 30     | RSA Security LLC        |
| 106. | Cryptographic device configured to transmit messages over an auxiliary channel embedded in passcodes                 | 13711877        | 2012-12-12  | 10367642   | 2019-07-30 | Granted | 2034 Aug 13     | RSA Security LLC        |
| 107. | Protecting key material using white-box cryptography and split key techniques  | 15664250        | 2017-07-31  | 10511436   | 2019-12-17 | Granted | 2038 Jan 13     | RSA Security LLC        |
| 108. | Method, apparatus and article of manufacture for categorizing computerized messages into categories                  | 15684235        | 2017-08-23  | 10594546   | 2020-03-17 | Granted | 2038 Jan 27     | RSA Security LLC        |
| 109. | Predefined access policy implementation based on auxiliary information embedded in one-time authentication passcodes | 16104280        | 2018-08-17  | 10673832   | 2020-06-02 | Granted | 2034 Jan 12     | RSA Security LLC        |
| 110. | Methods and apparatus for computing estimated quantiles for streaming data over sliding windows                      | 15192165        | 2016-06-24  | 10685018   | 2020-06-16 | Granted | 2038 Apr 30     | RSA Security LLC        |
| 111. | Managing passwords   | 16176223        | 2018-10-31  | 10776481   | 2020-09-15 | Granted | 2039 Mar 19     | RSA Security LLC        |
| 112. | Generating random pass-phrases using word-level recurrent neural networks  | 16264303        | 2019-01-31  | 10872610   | 2020-12-22 | Granted | 2039 May 09     | RSA Security LLC        |
| 113. | Automated determination of device identifiers for risk-based access control in a computer network                    | 16024594        | 2018-06-29  | 10885162   | 2021-01-05 | Granted | 2039 Jan 02     | RSA Security LLC        |
| 114. | User authentication using scene composed of selected objects   | 16176083        | 2018-10-31  | 10949524   | 2021-03-16 | Granted | 2039 May 28     | RSA Security LLC        |
| 115. | Cryptographic device with administrative access interface utilizing event-based one-time passcodes                   | 16249474        | 2019-01-16  | 10951412   | 2021-03-16 | Granted | 2039 Jan 16     | RSA Security LLC        |

**Schedule B**

**TRADEMARKS**

| No. | Mark  | Serial No./<br>Filing Date | Regn. No./<br>Regn. Date | Expiry      | Class      | Status     | Current Owner of<br>Record |
|-----|---|----------------------------|--------------------------|-------------|------------|------------|----------------------------|
| 1.  | ARCHER  | 85122192<br>02-SEP-2010    | 4140981<br>15-MAY-2012   | 15-MAY-2022 | 9 35       | Registered | RSA Security LLC           |
| 2.  | ENVISION  | 76379056<br>06-MAR-2002    | 3325062<br>30-OCT-2007   | 30-OCT-2027 | 9          | Registered | RSA Security LLC           |
| 3.  | NETWITNESS  | 76313255<br>17-SEP-2001    | 2674324<br>14-JAN-2003   | 14-JAN-2023 | 9          | Registered | RSA Security LLC           |
| 4.  | RC2   | 74463806<br>29-NOV-1993    | 1914609<br>29-AUG-1995   | 29-AUG-2025 | 9          | Registered | RSA Security LLC           |
| 5.  | RC4   | 74463805<br>29-NOV-1993    | 1911168<br>15-AUG-1995   | 15-AUG-2025 | 9          | Registered | RSA Security LLC           |
| 6.  | RSA   | 88149695<br>10-OCT-2018    | 5768047<br>04-JUN-2019   | 04-JUN-2029 | 9 35 41 42 | Registered | RSA Security LLC           |
| 7.  | RSA   | 85322184<br>16-MAY-2011    | 4070748<br>13-DEC-2011   | 13-DEC-2021 | 42         | Registered | RSA Security LLC           |
| 8.  | RSA   | 85322231<br>16-MAY-2011    | 4070749<br>13-DEC-2011   | 13-DEC-2021 | 45         | Registered | RSA Security LLC           |
| 9.  | RSA   | 75697271<br>04-MAY-1999    | 2464394<br>26-JUN-2001   | 26-JUN-2021 | 9          | Registered | RSA Security LLC           |
| 10. | RSA   | 75703025<br>11-MAY-1999    | 2335885<br>28-MAR-2000   | 28-MAR-2030 | 9          | Registered | RSA Security LLC           |
| 11. | RSA   | 75697272<br>04-MAY-1999    | 2345277<br>25-APR-2000   | 25-APR-2030 | 35 41      | Registered | RSA Security LLC           |
| 12. | RSA Design<br>     | 75753570<br>19-JUL-1999    | 2507742<br>13-NOV-2001   | 13-NOV-2021 | 9          | Registered | RSA Security LLC           |
| 13. | RSA SECURED   | 75797804<br>13-SEP-1999    | 2594941<br>16-JUL-2002   | 16-JUL-2022 | 9          | Registered | RSA Security LLC           |
| 14. | SECURID   | 88149704<br>10-OCT-2018    | 5871464<br>01-OCT-2019   | 01-OCT-2029 | 9 42       | Registered | RSA Security LLC           |
| 15. | SECURID   | 73606553<br>26-JUN-1986    | 1429087<br>17-FEB-1987   | 17-FEB-2027 | 9          | Registered | RSA Security LLC           |
| 16. | SECURID Design<br> | 74330353<br>12-NOV-1992    | 1778802<br>29-JUN-1993   | 29-JUN-2023 | 9          | Registered | RSA Security LLC           |
| 17. | SMART RULES   | 76006114<br>21-MAR-2000    | 2561120<br>16-APR-2002   | 16-APR-2022 | 9          | Registered | RSA Security LLC           |