

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM643226

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	Second Lien Intellectual Property Security Agreement		
SEQUENCE:	2		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
RSA Security LLC		04/27/2021	Limited Liability Company: DELAWARE
RECEIVING PARTY DATA			
Name:	Morgan Stanley Senior Funding, Inc., as collateral agent		
Street Address:	1300 Thames Street, 4th Floor, Thames Street Wharf		
City:	Baltimore		
State/Country:	MARYLAND		
Postal Code:	21231		
Entity Type:	Corporation: DELAWARE		
PROPERTY NUMBERS Total: 17			
Property Type	Number	Word Mark	
Registration Number:	5768047	RSA	
Registration Number:	5871464	SECURID	
Registration Number:	4070748	RSA	
Registration Number:	4070749	RSA	
Registration Number:	4140981	ARCHER	
Registration Number:	3325062	ENVISION	
Registration Number:	2674324	NETWITNESS	
Registration Number:	2561120	SMART RULES	
Registration Number:	2594941	RSA SECURED	
Registration Number:	2507742	RSA	
Registration Number:	2335885	RSA	
Registration Number:	2464394	RSA	
Registration Number:	2345277	RSA	
Registration Number:	1911168	RC4	
Registration Number:	1914609	RC2	
Registration Number:	1778802	SECURID	
Registration Number:	1429087	SECURID	

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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

ATTORNEY DOCKET NUMBER:	1107993-0223-S216
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NAME OF SUBMITTER:	Justine Lu
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SIGNATURE:	/Justine Lu/
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DATE SIGNED:	04/29/2021
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Total Attachments: 13

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SECOND LIEN INTELLECTUAL PROPERTY SECURITY AGREEMENT

This **SECOND 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 Morgan Stanley Senior Funding, Inc. (“MSSF”), 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 Second 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 MSSF, as Administrative Agent and Collateral Agent. 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, each Grantor has executed and delivered that certain Second 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 Loan Documents (as such Loan 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 Loan 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*.

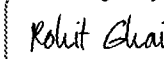
G. Intercreditor Agreement. Notwithstanding any provision to the contrary in this IP Security Agreement (but without expanding the scope of the Collateral as set forth in this IP Security Agreement and the Credit Agreement), in the event of any conflict or inconsistency between the provisions of the 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 Ghai
Title: Chief Executive Officer

[Signature Page to IP Security Agreement]

MORGAN STANLEY SENIOR FUNDING, INC.,
as Collateral Agent

By:



Name: Brian Sanderson

Title: Authorized Signatory

[Signature Page to IP Security Agreement]

TRADEMARK
REEL: 007274 FRAME: 0711

TRADEMARKS

Trademark	App. No.	App. Date	Reg. No.	Reg. Date
RSA	88149695	10-OCT-2018	5768047	04-JUN-2019
SECURID	88149704	10-OCT-2018	5871464	01-OCT-2019
RSA	85322184	16-MAY-2011	4070748	13-DEC-2011
RSA	85322231	16-MAY-2011	4070749	13-DEC-2011
ARCHER	85122192	02-SEP-2010	4140981	15-MAY-2012
ENVISION	76379056	06-MAR-2002	3325062	30-OCT-2007
NETWITNESS	76313255	17-SEP-2001	2674324	14-JAN-2003
SMART RULES	76006114	21-MAR-2000	2561120	16-APR-2002
RSA SECURED	75797804	13-SEP-1999	2594941	16-JUL-2002
RSA	75753570	19-JUL-1999	2507742	13-NOV-2001
RSA	75703025	11-MAY-1999	2335885	28-MAR-2000
RSA	75697271	04-MAY-1999	2464394	26-JUN-2001
RSA	75697272	04-MAY-1999	2345277	25-APR-2000
RC4	74463805	29-NOV-1993	1911168	15-AUG-1995
RC2	74463806	29-NOV-1993	1914609	29-AUG-1995
SECURID	74330353	12-NOV-1992	1778802	29-JUN-1993
SECURID	73606553	26-JUN-1986	1429087	17-FEB-1987

PATENTS

Title	Patent No. (Publication No.)	Issue Date	App. No.	App. Date
Robust visual passwords	7219368	2007-05-15	09/815,560	2001-03-23
Server-assisted regeneration of a strong secret from a weak secret	7359507	2008-04-15	09/804,460	2001-03-12
Order invariant fuzzy commitment system	7602904	2009-10-13	09/994,476	2001-11-26
Storing digital secrets in a vault	7739733	2010-06-15	11/265539	2005-11-02
Detecting and preventing replay in authentication systems	7810147	2010-10-05	11/607,836	2006-12-01
Encoding token commands/data within data streams for standard interfaces	7831837	2010-11-09	11/424427	2006-06-15
Method and apparatus for mitigating current drain in a low-power hand-held device	7921311	2011-04-05	11/862,783	2007-09-27
Packaging for authentication tokens	8006842	2011-08-30	12/336381	2008-12-16
Reset-tolerant authentication device	8046596	2011-10-25	11/766,301	2007-06-21
Techniques for carrying out seed or key derivation	8059814	2011-11-15	11/864,001	2007-09-28
Secure seed provisioning	8060750	2011-11-15	11/824,434	2007-06-29
Method and apparatus for testing authentication tokens	8190906	2012-05-29	12/336393	2008-12-16
Method and apparatus for secure validation of tokens	8307210	2012-11-06	12/114,245	2008-05-02
Agile OTP generation	8312519	2012-11-13	12/895,130	2010-09-30
One-time password authentication employing local testing of candidate passwords from one-time password server	8412928	2013-04-02	12/750,758	2010-03-31
Methods and apparatus for delegated authentication	8413221	2013-04-02	11/930,738	2007-10-31
Virtual smart card through a PC/SC interface	8453232	2013-05-28	12/894,502	2010-09-30
Device-based password management	8499157	2013-07-30	12/893,684	2010-09-29
Automatically estimating clock offset	8560837	2013-10-15	12/826,935	2010-06-30
Indicating errors in connection with devices	8564453	2013-10-22	13/226,878	2011-09-07
Agile OTP generation	8566916	2013-10-22	13/663,535	2012-10-30
Authentication using dynamic, client information based PIN	8650405	2014-02-11	13/173,607	2011-06-30
Network event capture and retention system	8676960	2014-03-18	11/443,325	2006-05-30
Soft token posture assessment	8683563	2014-03-25	13/435,616	2012-03-30
Managing authentication of virtual clients	8739257	2014-05-27	13/432,457	2012-03-28

Title	Patent No./(Publication No.)	Issue Date	App. No.	App. Date
Generating alerts in event management systems	8739290	2014-05-27	13/248,572	2011-09-29
Processorless token for producing a one-time password	8752148	2014-06-10	13/532,309	2012-06-25
Detecting soft token copies	8752156	2014-06-10	13/435,848	2012-03-30
Generating authentication codes	8756666	2014-06-17	12/241,166	2008-09-30
Authentication of a user accessing a protected resource using multi-channel protocol	8769289	2014-07-01	13/617,159	2012-09-14
Mobile offline authentication using one-time passcodes	8799655	2014-08-05	13/627,224	2012-09-26
Content randomization for thwarting malicious software attacks	8806627	2014-08-12	13/716,327	2012-12-17
Variable epoch scheduler for proactive cryptography systems	8817988	2014-08-26	13/731,346	2012-12-31
Validating association of client devices with authenticated clients	8819803	2014-08-26	13/537,594	2012-06-29
Agile OTP generation	8850538	2014-09-30	14/058,389	2013-10-21
View computation and transmission for a set of keys refreshed over multiple epochs in a cryptographic device	8874904	2014-10-28	13/713,658	2012-12-13
Preventing user enumeration by an authentication server	8875255	2014-10-28	13/630,003	2012-09-28
Techniques for securing a one-time passcode with an alteration code	8904482	2014-12-02	13/731,443	2012-12-31
Detection of tampering with software installed on a processing device	8938805	2015-01-20	13/625,497	2012-09-24
Mobile device identification by device element collection	8965340	2015-02-24	13/628,441	2012-09-27
Protected resource access control utilizing credentials based on message authentication codes and hash chain values	8984602	2015-03-17	13,931,083	2013-06-28
Cryptographic device operable in a challenge-response mode	9015476	2015-04-21	13/708,322	2012-12-07
Online and offline validation of tokencodes	9043605	2015-05-26	14/031,628	2013-09-19
Token-based key generation	9071424	2015-06-30	13/853,207	2013-03-29
Layout design for a mobile application using selected governance, risk management and compliance rules	9075583	2015-07-07	13/838,948	2013-03-15
Knowledge-based authentication for restricting access to mobile devices	9078129	2015-07-07	13,625,418	2012-09-24

Title	Patent No./(Publication No.)	Issue Date	App. No.	App. Date
Forward secure pseudorandom number generation resilient to forward clock attacks	9083515	2015-07-14	13/728,271	2012-12-27
Agile OTP generation	9118663	2015-08-25	14/451,839	2014-08-05
Authentication using security device with electronic interface	9130753	2015-09-08	13/803,567	2013-03-14
Challenge-response authentication of a cryptographic device	9154480	2015-10-06	13/711,859	2012-12-12
Increasing entropy for password and key generation on a mobile device	9160744	2015-10-13	14/036,498	2013-09-25
Gateway mediated mobile device authentication	9178880	2015-11-03	13/539,392	2012-06-30
Using link analysis in adversarial knowledge-based authentication model	9202173	2015-12-01	13/628,642	2012-09-27
Multi-server authentication using proactivization journaling	9230075	2016-01-05	13/600,641	2012-08-31
Computer system employing dual-band authentication	9240988	2016-01-19	14/038,929	2013-09-27
Configurable one-time authentication tokens with improved resilience to attacks	9270655	2016-02-23	13/837,259	2013-03-15
Server methods and apparatus for processing passcodes generated by configurable one-time authentication tokens	9294473	2016-03-22	14/662,600	2015-03-19
Agile OTP generation	9306942	2016-04-05	14/710,768	2015-05-13
Access point-authentication server combination	9306943	2016-04-05	13/853,653	2013-03-29
Sharing a cryptographic device by partitioning challenge-response space	9323909	2016-04-26	13/708,343	2012-12-07
Message encryption and decryption utilizing low-entropy keys	9325499	2016-04-26	14/041,150	2013-09-30
Distributing access and identification tokens in a mobile environment	9332433	2016-05-03	14/041,125	2013-09-30
Recovery mechanism for fault-tolerant split-server passcode verification of one-time authentication tokens	9350545	2016-05-24	14/319,417	2014-06-30
Distributed protection of credential stores utilizing multiple keys derived from a master key	9374221	2016-06-21	14/136,423	2013-12-20
Authentication using cryptographic value derived from a shared secret of a near field communication tag	9379894	2016-06-28	13/917,112	2013-06-13
Access management system	9380076	2016-06-28	14/488,377	2014-09-17
Managing seed provisioning	9398005	2016-07-19	13/246,406	2011-09-27
Network event capture and retention system	9401838	2016-07-26	10/727,193	2003-12-03

Title	Patent No./(Publication No.)	Issue Date	App. No.	App. Date
Transferring soft token authentication capabilities to a new device	9401905	2016-07-26	14/036,627	2013-09-25
User authentication	9405891	2016-08-02	13/628,794	2012-09-27
Adding entropy to key generation on a mobile device	9407441	2016-08-02	13/927,386	2013-06-26
Multi-server passcode verification for one-time authentication tokens with auxiliary channel compatibility	9407631	2016-08-02	14/144,712	2013-12-31
Fast-flux detection utilizing domain name system information	9426168	2016-08-23	14/471,540	2014-08-28
Split tokenization	9430655	2016-08-30	13/729,155	2012-12-28
Automated token renewal using OTP-based authentication codes	9432339	2016-08-30	14/500,135	2014-09-29
Security-aware split-server passcode verification for one-time authentication tokens	9432360	2016-08-30	14/187,248	2014-02-22
Network event capture and retention system	9438470	2016-09-06	11/442,569	2006-05-26
Remote authentication using near field communication tag	9571164	2017-02-14	13/923,764	2013-06-21
Dynamic knowledge-based user authentication without need for presentation of predetermined credential	9674177	2017-06-06	12/333,385	2008-12-12
Detecting periodicity in a stream of events	9690930	2017-06-27	14/229,028	2014-03-28
Recovery mechanism for fault-tolerant split-server passcode verification of one-time authentication tokens	9749314	2017-08-29	15/097,773	2016-04-13
Managing use of security keys	9774446	2017-09-26	13/731,455	2012-12-31
Distributed proactive password-based secret sharing	9813244	2017-11-07	14/984,389	2015-12-30
Detection of malicious web activity in enterprise computer networks	9838407	2017-12-05	15/085,551	2016-03-30
Detection and remediation of watering hole attacks directed against an enterprise	9838419	2017-12-05	14/954,043	2015-11-30
Forward secure one-time authentication tokens with embedded time hints	9871785	2018-01-16	13/828,503	2013-03-14
Key provisioning method and apparatus for authentication tokens	9917694	2018-03-13	14/092,028	2013-11-27
Methods and apparatus for generalized password-based secret sharing	9929860	2018-03-27	14/984,352	2015-12-30
Security-aware single-server passcode verification for one-time authentication tokens	9967251	2018-05-08	14/266,201	2014-04-30
Efficient detection of network anomalies	9967275	2018-05-08	14/972,613	2015-12-17
Entropy-based beaconing detection	9985980	2018-05-29	14/969,801	2015-12-15

Title	Patent No./(Publication No.)	Issue Date	App. No.	App. Date
Classifying potentially malicious and benign software modules through similarity analysis	9998484	2018-06-12	15/082,731	2016-03-28
Method, apparatus and computer program product for verifying caller identification in voice communications	10063699	2018-08-28	15/490,145	2017-04-18
Controlling user access to protected resource based on outcome of one-time passcode authentication token and predefined access policy	10091204	2018-10-02	14/266,192	2014-04-30
Identification and removal of duplicate event records from a security information and event management database	10108634	2018-10-23	15/078,375	2016-03-23
Managing use of security keys	10116438	2018-10-30	15/684,087	2017-08-23
Server using proof-of-work technique for hardening against denial of service attacks	10116693	2018-10-30	15/194,679	2016-06-28
Classifying software modules based on comparisons using a neighborhood distance metric	10122742	2018-11-06	15/191,027	2016-06-23
Efficient operation of GRC processing platforms	10140267	2018-11-27	14/980,252	2015-12-28
Authenticating by labeling	10229260	2019-03-12	14/227,506	2014-03-27
Detecting periodic behavior in a communication session using clustering	10230744	2019-03-12	15/192,034	2016-06-24
Authenticating by labeling	10263972	2019-04-16	15/434,795	2017-02-16
Token seed protection for multi-factor authentication systems	10289835	2019-05-14	15/180,284	2016-06-13
Method, apparatus and computer program product for assessing the risk of electronic communications using logon types	10356120	2019-07-16	15/581,055	2017-04-28
Cryptographic device configured to transmit messages over an auxiliary channel embedded in passcodes	10367642	2019-07-30	13/711,877	2012-12-12
Protecting key material using white-box cryptography and split key techniques	10511436	2019-12-17	15/664,250	2017-07-31
Method, apparatus and article of manufacture for categorizing computerized messages into categories	10594546	2020-03-17	15/684,235	2017-08-23
Predefined access policy implementation based on auxiliary information embedded in one-time authentication passcodes	10673832	2020-06-02	16/104,280	2018-08-17
Methods and apparatus for computing estimated quantiles for streaming data over sliding windows	10685018	2020-06-16	15/192,165	2016-06-24
Managing passwords	10776481	2020-09-15	16/176,223	2018-10-31

Title	Patent No./(Publication No.)	Issue Date	App. No.	App. Date
Generating random pass-phrases using word-level recurrent neural networks	10872610	2020-12-22	16/264,303	2019-01-31
Automated determination of device identifiers for risk-based access control in a computer network	10885162	2021-01-05	16/024,594	2018-06-29
User authentication using scene composed of selected objects	10949524	2021-03-16	16/176,083	2018-10-31
Cryptographic device with administrative access interface utilizing event-based one-time passcodes	10951412	2021-03-16	16/249,474	2019-01-16
Biometric Authentication Using Selected Manipulation of Biometric Samples	(20200134146)	2020-04-30	16/176,079	2018-10-31
User Authentication Using Biometric Representation of One-Time Passcodes	(20200137052)	2020-04-30	16/176,070	2018-10-31
MONITORING STRENGTH OF PASSWORDS	(20200143036)	2020-05-07	16/178,636	2018-11-02
MANAGING ENTERPRISE AUTHENTICATION POLICIES USING PASSWORD STRENGTH	(20200143037)	2020-05-07	16/178,646	2018-11-02
AUTHENTICATION USING USER DEVICE MICROPHONE INPUTS	(20200242220)	2020-07-30	16/259,391	2019-01-28
Biometric Authentication Using Molecular Snapshots	(20200242225)	2020-07-30	16/261,946	2019-01-30
USER ACCOUNT RECOVERY TECHNIQUES USING SECRET SHARING SCHEME WITH TRUSTED REFEREE	(20200242232)	2020-07-30	16/262,191	2019-01-30
Communication-Efficient Device Delegation	(20200244465)	2020-07-30	16/261,916	2019-01-30
Location Assurance Using Location Indicators Modified by Shared Secrets	(20200244670)	2020-07-30	16/261,941	2019-01-30
ANONYMIZING DATA SETS IN RISK MANAGEMENT APPLICATIONS	(20200250315)	2020-08-06	16/265,636	2019-02-01
Account Recovery Using Identity Assurance Scoring System	(20200252381)	2020-08-06	16/263,276	2019-01-31
Authentication Based on Shared Secret Updates	(20200252385)	2020-08-06	16/264,897	2019-02-01
Authentication Based on Shared Secret Seed Updates for One-Time Passcode Generation	(20200252392)	2020-08-06	16/264,925	2019-02-01
Managing Passwords	(20200356660)	2020-11-12	16/942,958	2020-07-30
REDACTED	--	--	16817934	2020-03-13
REDACTED	--	--	14954143	2015-11-30
REDACTED	--	--	14978754	2015-12-22

Title	Patent No./ (Publication No.)	Issue Date	App. No.	App. Date
REDACTED	--	--	15395958	2016-12-30
REDACTED	--	--	15662827	2017-07-28
REDACTED	--	--	15883704	2018-01-30
REDACTED	--	--	16697483	2019-11-27
REDACTED	--	--	16752825	2020-01-27
REDACTED	--	--	16778084	2020-01-31
REDACTED	--	--	16778107	2020-01-31
REDACTED	--	--	16778123	2020-01-31
REDACTED	--	--	16778142	2020-01-31
REDACTED	--	--	16844030	2020-04-09
REDACTED	--	--	16844046	2020-04-09
REDACTED	--	--	16906232	2020-06-19
REDACTED	--	--	17035882	2020-09-29
REDACTED	--	--	17060812	2020-10-01