

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6416598

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	PARTIAL RELEASE OF SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
CREDIT SUISSE AG, CAYMAN ISLANDS BRANCH	09/01/2020
RECEIVING PARTY DATA	
Name:	ASAP SOFTWARE EXPRESS, INC.
Street Address:	ONE DELL WAY
City:	ROUND ROCK
State/Country:	TEXAS
Postal Code:	78682
Name:	DELL USA L.P.
Street Address:	ONE DELL WAY
City:	ROUND ROCK
State/Country:	TEXAS
Postal Code:	78682
Name:	DELL INTERNATIONAL L.L.C.
Street Address:	ONE DELL WAY
City:	ROUND ROCK
State/Country:	TEXAS
Postal Code:	78682
Name:	DELL MARKETING L.P.
Street Address:	ONE DELL WAY
City:	ROUND ROCK
State/Country:	TEXAS
Postal Code:	78682
Name:	DELL PRODUCTS L.P.
Street Address:	ONE DELL WAY
City:	ROUND ROCK
State/Country:	TEXAS
Postal Code:	78682
Name:	EMC CORPORATION
Street Address:	176 SOUTH STREET
City:	HOPKINTON

PATENT

State/Country:	MASSACHUSETTS
Postal Code:	01748
Name:	EMC IP HOLDING COMPANY LLC
Street Address:	ONE DELL WAY
City:	ROUND ROCK
State/Country:	TEXAS
Postal Code:	78682
Name:	FORCE10 NETWORKS, INC.
Street Address:	5450 GREAT AMERICA PARKWAY
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054
Name:	SCALEIO LLC
Street Address:	176 SOUTH STREET
City:	HOPKINTON
State/Country:	MASSACHUSETTS
Postal Code:	01748
Name:	WYSE TECHNOLOGY L.L.C.
Street Address:	5480 GREAT AMERICA PARKWAY
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054

PROPERTY NUMBERS Total: 86

Property Type	Number
Patent Number:	6813354
Patent Number:	7219368
Patent Number:	7359507
Patent Number:	7472093
Patent Number:	7602904
Patent Number:	7739733
Patent Number:	7810147
Patent Number:	7831837
Patent Number:	7921311
Patent Number:	8006842
Patent Number:	8046596
Patent Number:	8059814
Patent Number:	8060750
Patent Number:	8190906

PATENT

REEL: 054511 FRAME: 0002

Property Type	Number
Patent Number:	8307210
Patent Number:	8312519
Patent Number:	8412928
Patent Number:	8413221
Patent Number:	8453232
Patent Number:	8499157
Patent Number:	8560837
Patent Number:	8564453
Patent Number:	8566916
Patent Number:	8650405
Patent Number:	8676960
Patent Number:	8683563
Patent Number:	8739257
Patent Number:	8739290
Patent Number:	8752148
Patent Number:	8752156
Patent Number:	8756666
Patent Number:	8769289
Patent Number:	8799655
Patent Number:	8806627
Patent Number:	8817988
Patent Number:	8819803
Patent Number:	8850538
Patent Number:	8874904
Patent Number:	8875255
Patent Number:	8904482
Patent Number:	8938805
Patent Number:	8965340
Patent Number:	8984602
Patent Number:	9015476
Patent Number:	9043605
Patent Number:	9071424
Patent Number:	9075583
Patent Number:	9078129
Patent Number:	9083515
Patent Number:	9118663
Patent Number:	9130753
Patent Number:	9154480

Property Type	Number
Patent Number:	9160744
Patent Number:	9178880
Patent Number:	9202173
Patent Number:	9230075
Patent Number:	9240988
Patent Number:	9270655
Patent Number:	9306942
Patent Number:	9306943
Patent Number:	9323909
Patent Number:	9325499
Patent Number:	9332433
Patent Number:	9350545
Patent Number:	9374221
Patent Number:	9379894
Patent Number:	9380076
Patent Number:	9398005
Patent Number:	9401838
Patent Number:	9401905
Patent Number:	9405891
Patent Number:	9426168
Patent Number:	9430655
Patent Number:	9432339
Patent Number:	9438470
Patent Number:	9571164
Patent Number:	9690930
Patent Number:	9774446
Patent Number:	9838419
Patent Number:	9917694
Patent Number:	9967275
Patent Number:	9985980
Patent Number:	10108634
Patent Number:	10140267
Patent Number:	10367642
Patent Number:	D534448

CORRESPONDENCE DATA

Fax Number: (202)408-3141

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.

PATENT

REEL: 054511 FRAME: 0004

Phone:	202-408-3121 X62348
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Correspondent Name:	CSC
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Address Line 4:	WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	526892-6
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NAME OF SUBMITTER:	JEAN PATERSON
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SIGNATURE:	/jep/
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DATE SIGNED:	11/24/2020
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Total Attachments: 7

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PARTIAL RELEASE OF SECURITY INTEREST IN SPECIFIED PATENTS

This PARTIAL RELEASE (this “Release”), dated as of September 1, 2020 (the “Effective Date”), is made by CREDIT SUISSE AG, CAYMAN ISLANDS BRANCH, in its capacity as Collateral Agent (the “Agent”), with respect to the grantor parties identified on the signature page hereto (each individually, a “Grantor,” collectively the “Grantors”).

WHEREAS, pursuant to the Credit Agreement, dated as of September 7, 2016 (as amended and/or supplemented to the date hereof), among the Agent, the Grantor and certain other parties thereto (the “Credit Agreement”) and that certain Collateral Agreement, dated as of September 7, 2016 by and among the Agent, the Grantor and certain other parties thereto (as amended, amended and restated, or otherwise modified from time to time, the “Collateral Agreement”), the Grantor granted to the Agent a security interest in and to certain collateral;

WHEREAS, pursuant to the Collateral Agreement, the Grantor executed and delivered a Patent Security Agreement, dated as of September 7, 2016 (the “Patent Security Agreement”), for recordal with the United States Patent and Trademark Office;

WHEREAS, the Patent Security Agreement was recorded with the United States Patent and Trademark Office on September 21, 2016 at Reel 040134 and Frame 0001;

WHEREAS, Grantor has divested certain patents, as permitted under the Credit Agreement;

WHEREAS, the Grantor no longer owns the Released Patents (as defined below) and the Agent wishes to release and restore all right, title and interest in and to the Released Patents to the Grantor and to terminate the encumbrance created by the Patent Security Agreement and the Collateral Agreement in respect of the Released Patents;

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

1. Defined Terms. All capitalized terms used, but not otherwise defined herein, shall have the respective meanings ascribed in or otherwise referenced in the Patent Security Agreement or the Collateral Agreement, as applicable.

2. Partial Release. The Agent, without representation or warranty of any kind, hereby disclaims, releases, discharges, terminates and cancels any security interest in and to the patents and applications set forth in Schedule 1 attached hereto (the “Released Patents”) arising from the Collateral Agreement and the recordation of the Patent Security Agreement and reassigns all right, title and interest it has in the Released Patents to the Grantor. For clarity, the Agent’s security interest in all Patent Collateral other than the Released Patents shall remain in full force and effect.

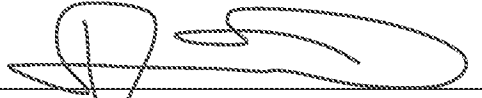
3. Further Assurances. The Agent agrees to take all further actions, and provide to the Grantor and its successors, assigns or other legal representatives, all such cooperation and assistance (including, without limitation, the execution and delivery of any and all documents or other instruments), reasonably requested by the Grantor, at the Grantor’s sole cost and expense, to more fully and effectively effectuate the purposes of this Release.

4. Governing Law. This Release shall be governed by and construed in accordance with the laws of the State of New York, and shall be binding on the Grantor’s and the Agent’s representatives, successors, assigns and transferees.

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IN WITNESS WHEREOF, the Agent has caused this Release to be executed by its duly authorized representative as of the Effective Date:

**CREDIT SUISSE AG, CAYMAN ISLANDS
BRANCH, in its capacity as Collateral Agent**

By: 

Name: Judith Smith

Title: Authorized Signatory

By: 

Name: Brady Bingham

Title: Authorized Signatory

GRANTORS:

ASAP SOFTWARE EXPRESS, INC.

By: 

Name: Robert L. Potts

Title: Senior Vice President and Assistant Secretary

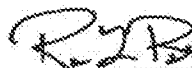
DELL USA L.P.

By: 

Name: Robert L. Potts

Title: Senior Vice President and Assistant Secretary

DELL INTERNATIONAL L.L.C.

By: 

Name: Robert L. Potts

Title: Senior Vice President and Assistant Secretary

DELL MARKETING L.P.

By: 

Name: Robert L. Potts

Title: Senior Vice President and Assistant Secretary

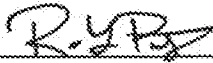
DELL PRODUCTS L.P.

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Title: Senior Vice President and Assistant Secretary

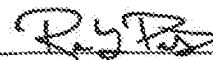
EMC CORPORATION

By: 

Name: Robert L. Potts

Title: Senior Vice President and Assistant Secretary


EMC IP HOLDING COMPANY LLC

By: 

Name: Robert L. Potts

Title: Senior Vice President and Assistant Secretary


FORCE10 NETWORKS, INC.

By: 

Name: Robert L. Potts

Title: Senior Vice President and Assistant Secretary

SCALEIO LLC

By: 

Name: Robert L. Potts

Title: Senior Vice President and Assistant Secretary

WYSE TECHNOLOGY L. L.C.

By: 

Name: Robert L. Potts

Title: Senior Vice President and Assistant Secretary

Schedule 1

Patent Title	Patent Number	Application Number
Mixing in small batches	6,813,354	09/521681
Robust visual passwords	7,219,368	09/815560
Server-assisted regeneration of a strong secret from a weak secret	7,359,507	09/804460
Targeted delivery of informational content with privacy protection	7,472,093	09/802278
Order invariant fuzzy commitment system	7,602,904	09/994476
Storing digital secrets in a vault	7,739,733	11/265539
Detecting and preventing replay in authentication systems	7,810,147	11/607836
Encoding token commands/data within data streams for standard interfaces	7,831,837	11/424427
Method and apparatus for mitigating current drain in a low-power hand-held device	7,921,311	11/862783
Packaging for authentication tokens	8,006,842	12/336381
Reset-tolerant authentication device	8,046,596	11/766301
Techniques for carrying out seed or key derivation	8,059,814	11/864001
Secure seed provisioning	8,060,750	11/824434
Method and apparatus for testing authentication tokens	8,190,906	12/336393
Method and apparatus for secure validation of tokens	8,307,210	12/114245
Agile OTP generation	8,312,519	12/895130
One-time password authentication employing local testing of candidate passwords from one-time password server	8,412,928	12/750758
Methods and apparatus for delegated authentication	8,413,221	11/930738
Virtual smart card through a PC/SC interface	8,453,232	12/894502
Device-based password management	8,499,157	12/893684
Automatically estimating clock offset	8,560,837	12/826935
Indicating errors in connection with devices	8,564,453	13/226878
Agile OTP generation	8,566,916	13/663535
Authentication using dynamic, client information based PIN	8,650,405	13/173607
Network event capture and retention system	8,676,960	11/443325
Soft token posture assessment	8,683,563	13/435616
Managing authentication of virtual clients	8,739,257	13/432457
Generating alerts in event management systems	8,739,290	13/248572
Processorless token for producing a one-time password	8,752,148	13/532309
Detecting soft token copies	8,752,156	13/435848
Generating authentication codes	8,756,666	12/241166
Authentication of a user accessing a protected resource using multi-channel protocol	8,769,289	13/617159
Mobile offline authentication using one-time passcodes	8,799,655	13/627224
Content randomization for thwarting malicious software attacks	8,806,627	13/716327
Variable epoch scheduler for proactive cryptography systems	8,817,988	13/731346
Validating association of client devices with authenticated clients	8,819,803	13/537594
Agile OTP generation	8,850,538	14/058389
View computation and transmission for a set of keys refreshed over multiple epochs in a cryptographic device	8,874,904	13/713658
Preventing user enumeration by an authentication server	8,875,255	13/630003

Techniques for securing a one-time passcode with an alteration code	8,904,482	13/731443
Detection of tampering with software installed on a processing device	8,938,805	13/625497
Mobile device identification by device element collection	8,965,340	13/628441
Protected resource access control utilizing credentials based on message authentication codes and hash chain values	8,984,602	13/931083
Cryptographic device operable in a challenge-response mode	9,015,476	13/708322
Online and offline validation of tokencodes	9,043,605	14/031628
Token-based key generation	9,071,424	13/853207
Layout design for a mobile application using selected governance, risk management and compliance rules	9,075,583	13/838948
Knowledge-based authentication for restricting access to mobile devices	9,078,129	13/625418
Forward secure pseudorandom number generation resilient to forward clock attacks	9,083,515	13/728271
Agile OTP generation	9,118,663	14/451839
Authentication using security device with electronic interface	9,130,753	13/803567
Challenge-response authentication of a cryptographic device	9,154,480	13/711859
Increasing entropy for password and key generation on a mobile device	9,160,744	14/036498
Gateway mediated mobile device authentication	9,178,880	13/539392
Using link analysis in adversarial knowledge-based authentication model	9,202,173	13/628642
Multi-server authentication using proactivization journaling	9,230,075	13/600641
Computer system employing dual-band authentication	9,240,988	14/038929
Configurable one-time authentication tokens with improved resilience to attacks	9,270,655	13/837259
Agile OTP generation	9,306,942	14/710768
Access point--authentication server combination	9,306,943	13/853653
Sharing a cryptographic device by partitioning challenge-response space	9,323,909	13/708343
Message encryption and decryption utilizing low-entropy keys	9,325,499	14/041150
Distributing access and identification tokens in a mobile environment	9,332,433	14/041125
Recovery mechanism for fault-tolerant split-server passcode verification of one-time authentication tokens	9,350,545	14/319417
Distributed protection of credential stores utilizing multiple keys derived from a master key	9,374,221	14/136423
Authentication using cryptographic value derived from a shared secret of a near field communication tag	9,379,894	13/917112
Access management system	9,380,076	14/488377
Managing seed provisioning	9,398,005	13/246406
Network event capture and retention system	9,401,838	10/727193
Transferring soft token authentication capabilities to a new device	9,401,905	14/036627
User authentication	9,405,891	13/628794
Fast-flux detection utilizing domain name system information	9,426,168	14/471540
Split tokenization	9,430,655	13/729155
Automated token renewal using OTP-based authentication codes	9,432,339	14/500135

Network event capture and retention system	9,438,470	11/442569
Remote authentication using near field communication tag	9,571,164	13/923764
Detecting periodicity in a stream of events	9,690,930	14/229028
Managing use of security keys	9,774,446	13/731455
Detection and remediation of watering hole attacks directed against an enterprise	9,838,419	14/954043
Key provisioning method and apparatus for authentication tokens	9,917,694	14/092028
Efficient detection of network anomalies	9,967,275	14/972613
Entropy-based beaconing detection	9,985,980	14/969801
Identification and removal of duplicate event records from a security information and event management database	10,108,634	15/078375
Efficient operation of GRC processing platforms	10,140,267	14/980252
Cryptographic device configured to transmit messages over an auxiliary channel embedded in passcodes	10,367,642	13/711877
Authentication device	D534,448	29/243882