PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6086428

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NORTONLIFELOCK INC.	04/24/2020

RECEIVING PARTY DATA

Name:	CA, INC.
Street Address:	1320 RIDDER PARK DRIVE
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95131

PROPERTY NUMBERS Total: 8

Property Type	Number
Application Number:	16560273
Application Number:	16552237
Application Number:	16541442
Application Number:	16551440
Application Number:	16576275
Application Number:	16586755
Application Number:	16574755
Application Number:	16551463

CORRESPONDENCE DATA

Fax Number: (866)259-6138

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: 8019803399
Email: bcom-staff@fisherbroyles.com
Correspondent Name: FISHERBROYLES, LLP
Address Line 1:   222 S. MAIN STREET, 5TH FLOOR
Address Line 4:   SALT LAKE CITY, UTAH 84101

NAME OF SUBMITTER:	JONATHAN R. LEE
SIGNATURE:	/Jonathan R. Lee/
DATE SIGNED:	04/30/2020

Total Attachments: 6
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SUPPLEMENT ASSIGNMENT OF PATENT AND INVENTION RIGHTS

This SUPPLEMENTAL ASSIGNMENT OF PATENT AND INVENTION RIGHTS, dated as of last signature below (the "Supplemental Patent Assignment"), is by and between CA, Inc. ("Assignee"), and NortonLifelock Inc. (formerly known as Symantec Corporation), a Delaware corporation ("Seller").

WHEREAS, on August 8, 2019, Seller and Broadcom, Inc. ("Purchaser") entered into that certain Asset Purchase Agreement (the "Asset Purchase Agreement"), pursuant to which, among other things, Purchaser purchased and acquired from Seller and its applicable Subsidiaries the Purchased Assets, and has assumed the Assumed Liabilities, in the manner and upon the terms and subject to the conditions set forth in the Asset Purchase Agreement; and

WHEREAS, on November 4, 2019, the Parties entered into an Assignment of Patent Rights (the "Patent Assignment"), pursuant to which Seller irrevocably assigned and transferred the Transferred Patents to Purchaser or to Assignee as a wholly-owned subsidiary of Purchaser.

WHEREAS, certain Transferred Patents acquired from the Seller in the Asset Purchase Agreement were not listed in the Patent Assignment, the Parties desire to enter into this Supplemental Patent Assignment to clearly identify those certain Transferred Patents and inventions that were not listed in the Patent Assignment.

NOW, THEREFORE, in consideration of the mutual agreements, provisions and covenants contained in this Supplemental Patent Assignment, the Patent Assignment and the Asset Purchase Agreement and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. Definitions. Capitalized terms used and not defined in this Patent Assignment have the meanings assigned to them in the Asset Purchase Agreement.

2. Patent Assignment. The Seller hereby sells, assigns, transfers and delivers to Assignee, and Assignee hereby accepts, all right, title and interest that exist as of the date hereof in, to and under the following: (i) all United States and foreign Patents and Patent applications listed in Schedule A hereto and all reissues, divisionals, re-examinations, renewals, extensions, provisionals, continuations, and continuations in part thereof, (ii) all foreign counterparts to any Patents and Patent applications listed on Schedule A, (iii) all Patents or Patent applications which claim direct or indirect priority to, or to which direct or indirect priority is claimed by, any of the Patents or Patent applications described in clauses (i), or (ii), but excluding for this subsection (iii) any Seller Licensed Patents listed on Annex 1.1(d) – Seller Licensed Patents of the Seller Disclosure Letter, and (iv) any other Patents or Patent applications that are subject to a terminal disclaimer with reference to any of the Patents or Patent applications included in (i), (ii), or (iii), or to which a Patent or Patent application in (i), (ii), or (iii) is terminally disclaimed (all of the foregoing are collectively the "Assigned Patents"); and all rights, claims, and privileges relating to the Assigned Patents, including without limitation all rights to the underlying inventions, to claim priority on the basis thereof, to prosecute and maintain the Assigned Patents, to sue and recover damages for past, present, and future infringement, to obtain injunctive or other equitable relief, and to collect royalties and other payments under or on account of any of the Assigned Patents.

3. Invention Assignment. The Seller hereby sells, assigns, transfers and delivers to Assignee, and Assignee hereby accepts, all right, title and interest that exist as of the date hereof in, to and under the inventions listed in Schedule B hereto (the "Assigned Inventions") and all rights, claims, and privileges relating to Assigned Inventions, including any Patents and Patent applications, in the same scope as section 2 (Patent Assignment), that are issued, granted, or filed based on Assigned Inventions.

4. Commissioner of Patents. The Seller does hereby request and authorize the Commissioner of Patents and Trademarks of the United States of America and all other corresponding patent offices or authorities of other jurisdictions to issue letters patent, certificates of invention, utility models, or other governmental grants or issuances that may be granted upon any of the Assigned Patents and the inventions included in the Assigned Patents to Assignee or Assignee's nominee, successor or a PATENT

5. <u>Further Assurances</u>. The Seller agrees to execute all specific assignments, oaths, declarations, deeds or other instruments, and to do all acts necessary or proper, in each case, that are reasonably requested by Assignee, (a) to transfer to Assignee the Assigned Patents and the inventions included in the Assigned Patents, (b) to secure the grant of letters patent on the Assigned Patents and the inventions included in the Assigned Patents, in the United States of America and in all other jurisdictions, **to Assignee or Assignee's nominee, and (c) to vest and** confirm therein the legal title to all such Assigned Patents.

6. <u>General</u>. This Patent Assignment may be executed in multiple counterparts and either Party may execute any such counterpart, each of which when executed and delivered shall be deemed to be an original and all of which counterparts taken together shall constitute but one and the same instrument. For purposes of this Patent Assignment, facsimile signatures (including by electronic scans delivered by electronic mail) shall be deemed originals, and the Parties agree to exchange original signatures as promptly as possible following delivery of such facsimile signatures.
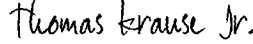
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**PATENT
REEL: 052540 FRAME: 0626**

IN WITNESS WHEREOF, the parties have caused this Assignment of Patent Rights to be duly executed by their duly authorized representatives as of the date indicated below.

NORTONLIFELOCK INC.

By: _Carrie Flynn_

Name: Carrie Flynn

Title: Vice President

Date: Apr-22-2020

[Signature Page to Assignment of Patent Rights]

IN WITNESS WHEREOF, the parties have caused this Assignment of Patent Rights to be duly executed by their duly authorized representatives as of the date indicated below.

CA, Inc.

By: _Thomas Krause Jr._

Name: Thomas H. Krause, Jr.

Title: Chief Financial Officer and Treasurer

Date: Apr-24-2020

[Signature Page to Assignment of Patent Rights]

<u>**Schedule A to Supplemental Assignment of Patent and Invention Rights**</u>

See attached.

Patent Name	Patent No.	Application Number	Filed Date	Grant Date	Country	
Systems And Methods For Detecting Malicious Computing Events		18707533.8	2018-02-13		European Patent	
Managing Data Encrypting Applications		18710947.5	2018-02-21		European Patent	
Systems And Methods For Enforcing Dynamic Network Security Policies		18716433.0	2018-03-19		European Patent	
Sample-Specific Sandbox Configuration Based on Endpoint Telemetry		18716780.4	2018-03-21		European Patent	
Systems And Methods For Enforcing Data Loss Prevention Policies		18716868.7	2018-03-23		European Patent	
Systems and Methods for Safely Executing Unreliable Malware		16/560,273	2019-09-04		United States of America	
Using Web Browser Push Notifications for authentication of secure communications		16/552,237	2019-08-27		United States of America	
IDENTIFYING AND PROTECTING AGAINST AN ATTACK AGAINST AN ANOMALY DETECTOR MACHINE LEARNING CLASSIFIER		16/541,442	2019-08-15		United States of America	
Isolating An Iframe Of A Webpage		16/551,440	2019-08-26		United States of America	
Systems and Methods for Managing a Need-To-Know Domain Name System		16/576,275	2019-09-19		United States of America	
Automatic Identification and Processing of Fraudulent and Sensitive Physical Postal Items		16/586,755	2019-09-27		United States of America	
Systems and Methods for Protecting a Cloud Computing Device From Malware		16/574,755	2019-09-18		United States of America	
Systems and Methods for Identifying a Secure Application When Connecting to a Network	2973166	14720836.7	2014-03-14	2019-11-27	European Patent	
Systems and Methods for Identifying a Secure Application When Connecting to a Network	2973166	14720836.7	2014-03-14	2019-11-27	Germany (Federal Republic of)	
Method and apparatus for integrating security context in network routing decisions	2982091	14722924.9	2014-04-03	2019-11-27	European Patent	
Method and apparatus for integrating security context in network routing	2982091	14722924.9	2014-04-03	2019-11-27	Germany (Federal Republic of)	
Systems And Methods For Optimizing Scans Of Pre-Installed Applications	3111364	15711918.1	2015-02-24	2020-1-15	European Patent	
Systems And Methods For Optimizing Scans Of Pre-Installed Applications	3111364	15711918.1	2015-02-24	2020-1-15	Germany (Federal Republic of)	
Trusted Third Party Broker for Collection and Private Sharing of Successful Computer Security Practices	3262526	16756049.9	2016-02-05	2019-08-14	European Patent	
Trusted Third Party Broker for Collection and Private Sharing of Successful Computer Security Practices	3262526	16756049.9	2016-02-05	2019-08-14	Germany (Federal Republic of)	
Trusted Third Party Broker for Collection and Private Sharing of Successful Computer Security Practices	3262526	16756049.9	2016-02-05	2019-08-14	United Kingdom	
Trusted Third Party Broker for Collection and Private Sharing of Successful Computer Security Practices	3262526	16756049.9	2016-02-05	2019-08-14	France	
Systems And Methods For Pre-Installation Detection Of Malware On Mobile Devices	3117362	15711977.7	2015-03-09	2020-1-15	European Patent	
Systems And Methods For Pre-Installation Detection Of Malware On Mobile Devices	3117362	15711977.7	2015-03-09	2020-1-15	Germany (Federal Republic of)	
Systems And Methods For Pre-Installation Detection Of Malware On Mobile Devices	3117362	15711977.7	2015-03-09	2020-1-15	Netherlands	
Bandwidth Reduction In A Webpage Video Stream		16/551,463	2019-08-26		United States of America	
Software Signing Certificate Reputation Model	2652663	11767572.8	2013-05-09	2019-10-30	European Patent	
Software Signing Certificate Reputation Model	2652663	11767572.8	2013-05-09	2019-10-30	Germany (Federal Republic of)	
Software Signing Certificate Reputation Model	2652663	11767572.8	2013-05-09	2019-10-30	France	
Software Signing Certificate Reputation Model	2652663	11767572.8	2013-05-09	2019-10-30	United Kingdom	
PROXY SERVER SELECTION BASED ON SECURITY POLICY	3391626	16798811.2	2016-10-20	2020-3-25	Germany (Federal Republic of)	
PROXY SERVER SELECTION BASED ON SECURITY POLICY	3391626	16798811.2	2016-10-20	2020-3-25	European Patent	
SYSTEMS AND METHODS FOR INTRODUCING VARIATION IN SUB-SYSTEM OUTPUT SIGNALS TO PREVENT DEVICE FINGERPRINTING	3087531	14828412.8	2014-12-22	2020-4-15	Germany (Federal Republic of)	
SYSTEMS AND METHODS FOR INTRODUCING VARIATION IN SUB-SYSTEM OUTPUT SIGNALS TO PREVENT DEVICE FINGERPRINTING	3087531	14828412.8	2014-12-22	2020-4-15	European Patent	
SYSTEMS AND METHODS FOR AUTOMATICALLY APPLYING FIREWALL POLICIES WITHIN DATA CENTER APPLICATIONS	3241331	15831117.5	2015-12-29	2020-4-15	Germany (Federal Republic of)	
SYSTEMS AND METHODS FOR AUTOMATICALLY APPLYING FIREWALL POLICIES WITHIN DATA CENTER APPLICATIONS	3241331	15831117.5	2015-12-29	2020-4-15	European Patent	
BRINGING A NON-ISOLATED APPLICATION INTO AN ISOLATION LAYER WITH AN ISOLATED APPLICATION		18771242.7	2018-3-16		European Patent	