

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT8112129

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the RECEIVING PARTY DATA previously recorded on Reel 063900 Frame 0586. Assignor(s) hereby confirms the ASSIGNMENT.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ZYCADA NETWORKS, INC.	06/05/2023
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PALO ALTO NETWORKS, INC.
<b>Street Address:</b>	3000 TANNERY WAY
<b>City:</b>	SANTA CLARA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95054
<b>PROPERTY NUMBERS Total: 26</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	62511261
Application Number:	15989077
Application Number:	17002491
Application Number:	17955230
Application Number:	15602023
Application Number:	16459477
Application Number:	17534367
Application Number:	18109802
Application Number:	62531198
Application Number:	16032610
Application Number:	17096705
Application Number:	62831150
Application Number:	16843825
Application Number:	62873637
Application Number:	16925189
Application Number:	17192593
Application Number:	18077588
Application Number:	62861976
Application Number:	16902148

Property Type	Number
Application Number:	17493383
Application Number:	18191819
PCT Number:	US2018034669
PCT Number:	US2018033914
PCT Number:	US2020027332
PCT Number:	US2020041672
PCT Number:	US2020037815

#### CORRESPONDENCE DATA

**Fax Number:** (512)670-8904

*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.*

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**ATTORNEY DOCKET NUMBER:** ZYCADA TRANSFER

**NAME OF SUBMITTER:** MELISSA R. LUCAS

**SIGNATURE:** /Melissa R. Lucas/

**DATE SIGNED:** 08/14/2023

#### Total Attachments: 5

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## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7997816

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ZYCADA NETWORKS, INC.,	06/05/2023
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ZYCADA NETWORKS, INC.
<b>Street Address:</b>	900 E. HAMILTON AVENUE
<b>City:</b>	CAMPBELL
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95008
<b>Name:</b>	PALO ALTO NETWORKS, INC.
<b>Street Address:</b>	3000 TANNERY WAY
<b>City:</b>	SANTA CLARA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95054
<b>PROPERTY NUMBERS Total: 26</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	62511261
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Property Type	Number
Application Number:	17192593
Application Number:	18077588
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Application Number:	18191819
PCT Number:	US2018034669
PCT Number:	US2018033914
PCT Number:	US2020041672
PCT Number:	US2020037815
PCT Number:	US2020027332

**CORRESPONDENCE DATA**  
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Email: lata.olivier@morganlewis.com  
Correspondent Name: MORGAN LEWIS & BOCKIUS LLP  
Address Line 1: 1400 PAGE MILL ROAD | PALO ALTO, CA 94304  
Address Line 4: PALO ALTO, CALIFORNIA 94304

ATTORNEY DOCKET NUMBER:	119156-5000
NAME OF SUBMITTER:	DOUGLAS J. CRISMAN
SIGNATURE:	/Douglas J. Crisman/
DATE SIGNED:	06/08/2023

**Total Attachments: 3**  
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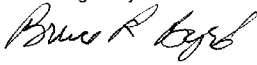
## ASSIGNMENT

Zycada Networks, Inc., 3000 Tannery Way, Santa Clara, CA 95054 ("Assignor") assigns, transfers, and conveys to Palo Alto Networks, Inc., 3000 Tannery Way, Santa Clara, CA 95054 ("Assignee") all rights, title, and interests Assignor has in and to the patents and patent applications identified in Appendix A. The rights, title, and interests include those to enforcement/infringement actions, to collect royalties, to prosecute existing patent applications worldwide, to pursue additional patent applications worldwide, and to have patents issue to the Assignee.

Assignor requests and authorizes the appropriate officials in any country to issue any and all Patents that may be granted/issued upon any patent application or any additional continuation or divisional application(s) thereof to the Assignee, its successors and assigns.

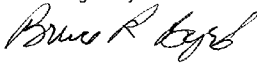
Assignor grants to Assignee and its agents/representatives permission to insert into this instrument any further identifying information necessary or desirable to facilitate recordation of this Assignment in an intellectual property office of any country or region.

Assignor: Zycada Networks, Inc.

DocuSigned by:  
  
418386F18824493...  
**Bruce Byrd**, Director, President and Secretary  
Zycada Networks, Inc.

Date: 2023-06-05

Assignee: Palo Alto Networks, Inc.

DocuSigned by:  
  
418386F18824493...  
**Bruce Byrd**, Executive Vice President/General Counsel  
Palo Alto Networks, Inc.

Date: 2023-06-05

## Appendix A

<b>Application #</b>	<b>Patent #</b>	<b>Title</b>
62/511,261		CONTEXT-AWARE PATH COMPUTATION AND SELECTION
15/989,077	10,757,011	CONTEXT-AWARE PATH COMPUTATION AND SELECTION
17/002,491	11,483,231	CONTEXT-AWARE PATH COMPUTATION AND SELECTION
17/955,230		CONTEXT-AWARE PATH COMPUTATION AND SELECTION
PCT/US2018/034669		CONTEXT-AWARE PATH COMPUTATION AND SELECTION
18735735.5		CONTEXT-AWARE PATH COMPUTATION AND SELECTION
2020-515830		CONTEXT-AWARE PATH COMPUTATION AND SELECTION
15/602,023	10,396,939	DYNAMIC MANAGEMENT OF PACKET LOSS
16/459,477	11,184,114	DYNAMIC MANAGEMENT OF PACKET LOSS
17/534,367	11,581,981	DYNAMIC MANAGEMENT OF PACKET LOSS
18/109,802		DYNAMIC MANAGEMENT OF PACKET LOSS
PCT/US2018/033914		DYNAMIC MANAGEMENT OF PACKET LOSS
2020-515824	7,227,963	DYNAMIC MANAGEMENT OF PACKET LOSS
18731639.3		DYNAMIC MANAGEMENT OF PACKET LOSS
2023-019073		DYNAMIC MANAGEMENT OF PACKET LOSS
62/531,198		STOPPING DDOS ATTACKS USING COOKIE BUBBLING
16/032,610	10,873,599	PROVIDING APPLICATION SECURITY USING CAUSAL GRAPH
17/096,705		PROVIDING APPLICATION SECURITY USING CAUSAL GRAPH
62/831,150		CONTEXT-AWARE CONTENT DELIVERY
16/843,825		CONTEXT-AWARE CONTENT DELIVERY
PCT/US2020/027332		CONTEXT-AWARE CONTENT DELIVERY
62/873,637		PROGRAMMABLE DELIVERY NETWORK
16/925,189	10,972,572	PROGRAMMABLE DELIVERY NETWORK
17/192,593	11,553,060	PROGRAMMABLE DELIVERY NETWORK
18/077,588		PROGRAMMABLE DELIVERY NETWORK
PCT/US2020/041672		PROGRAMMABLE DELIVERY NETWORK
62/861,976		PROACTIVE CONDITIONED PREFETCHING AND ORIGIN FLOODING MITIGATION FOR CONTENT DELIVERY
16/902,148	11,140,214	PROACTIVE CONDITIONED PREFETCHING AND ORIGIN FLOODING MITIGATION FOR CONTENT DELIVERY
17/493,383	11,641,389	PROACTIVE CONDITIONED PREFETCHING AND ORIGIN FLOODING MITIGATION FOR CONTENT DELIVERY
18/191,819		PROACTIVE CONDITIONED PREFETCHING AND ORIGIN FLOODING MITIGATION FOR CONTENT DELIVERY
PCT/US2020/037815		PROACTIVE CONDITIONED PREFETCHING AND ORIGIN FLOODING MITIGATION FOR CONTENT DELIVERY

**Certificate Of Completion**

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Initials: 0

Sherry Truelove

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Santa Clara, CA 95054-1211

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struelove@paloaltonetworks.com

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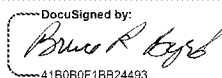
Bruce Byrd

bbyrd@paloaltonetworks.com

EVP &amp; General Counsel

Security Level: Email, Account Authentication  
(None)**Signature**

DocuSigned by:



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Signed: 6/5/2023 10:34:49 AM

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