

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6137130

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	AEROHIVE NETWORKS, INC.	01/30/2020
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	EXTREME NETWORKS, INC.	
<b>Street Address:</b>	6480 VIA DEL ORO	
<b>City:</b>	SAN JOSE	
<b>State/Country:</b>	CALIFORNIA	
<b>Postal Code:</b>	95119	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	16891772
<b>CORRESPONDENCE DATA</b>		
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<b>Email:</b>	nadawi@sternekessler.com, lmiller@sternekessler.com	
<b>Correspondent Name:</b>	STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.	
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<b>ATTORNEY DOCKET NUMBER:</b>	4264.6700009	
<b>NAME OF SUBMITTER:</b>	NABIL A. ADAWI	
<b>SIGNATURE:</b>	/Nabil A. Adawi, Reg. No. 68,179/	
<b>DATE SIGNED:</b>	06/04/2020	
<b>Total Attachments: 9</b>		
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**PATENT**

**REEL: 052835 FRAME: 0885**

## ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration, receipt of which is hereby acknowledged, **Aerohive Networks, Inc.**, a corporation organized and existing under the laws of California and having an office and place of business at 1011 McCarthy Boulevard, Milpitas, California 95035 (hereafter referred to as the "Assignor"), hereby sells and assigns to **Extreme Networks, Inc.**, a corporation formed under the laws of Delaware, having an office and place of business at 6480 Via Del Oro, San Jose, California 95119, (hereafter referred to as the "Assignee"), its entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), and throughout the world, including the right to sue for past infringement and to collect for all past, present and future damages,

(a) in each of the Patents and Patent Applications that are described in detail in Schedule A, annexed hereto and made a part hereof, and

(b) in any and all applications that claim the benefit of the Patents and Patent Applications described in detail in Schedule A, including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals, and reexaminations of such Patents and Patent Applications, to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in each of the Patents and Patent Applications that are described in detail on Schedule A, and in all forms of intellectual and industrial property protection derivable therefrom, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such Patents and Patent Applications, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The Assignor agrees to execute all papers necessary in connection with the applications and Letters Patents as above, and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The Assignor agrees to execute all papers necessary in connection with any judicial or administrative proceeding, including but not limited to an interference, derivation, post-grant proceeding, patent enforcement action (judicial or otherwise) related to the applications or Letters Patents or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee at Assignee's expense in every reasonable way possible in obtaining evidence and going forward with such interference or patent enforcement act.

The Assignor agrees to perform all affirmative acts at Assignee's request and expense that may be necessary to obtain or ensure a grant of a valid patent to the Assignee.

The Assignor hereby represents that Assignor has full right and authority to convey the entire interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict therewith.

The Assignor hereby grants the patent practitioners associated with **CUSTOMER NUMBER 157800** the power to insert in this assignment, including the attached Schedule A, any further information regarding the patents and patent applications so identified in such Schedule A that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

The undersigned Assignor hereby represents that the Assignor understands that the patent practitioners associated with **CUSTOMER NUMBER 157800** are legal representatives of, and attorneys for, the Assignee, and are NOT the legal representatives of, and attorneys for, the Assignor.

SIGNED on behalf of the said ASSIGNOR,

Aerohive Networks, Inc.

By: K. Motiey

Name: KATHOUN (KATY) MOTIEY

Title: PRESIDENT & CEO

Date: JANUARY 30, 2020

SIGNED on behalf of the said ASSIGNEE,

Extreme Networks, Inc.

By: Peter Lam

Name: PETER LAM

Title: SR. DIRECTOR, INTELLECTUAL PROPERTY

Date: JANUARY 30, 2020

**SCHEDULE A****UNITED STATES PATENTS, UNITED STATES PATENT APPLICATIONS,  
INTERNATIONAL PATENTS AND INTERNATIONAL PATENT APPLICATIONS**

<u>Country</u>	<u>Application No.</u>	<u>Patent No.</u>
United States	60/926,590	
United States	11/903,443	8,948,046
United States	14/610,187	
United States	15/969,572	
United States	61/017,390	
United States	12/345,629	8,930,729
United States	61/021,883	
United States	12/357,390	8,347,355
United States	13/603,272	8,763,084
United States	14/257,917	
United States	61/021,885	
United States	12/357,384	8,259,616
United States	13/528,637	8,880,659
United States	14/532,724	
United States	61/021,884	
United States	12/357,362	9,503,354
United States	15/349,212	9,762,442
United States	12/070,863	7,839,771
United States	12/120,338	8,218,502
United States	13/452,437	8,614,989
United States	13/528,729	8,483,183
United States	13/937,676	9,019,938
United States	14/139,819	9,025,566
United States	14/686,665	9,590,822
United States	14/697,379	9,338,816
United States	15/069,840	9,787,500
United States	15/412,949	10,064,105
United States	15/683,015	10,181,962
United States	16/056,489	
United States	16/248,723	
United States	61/111,210	
United States	12/485,041	9,674,892
United States	15/496,522	
United States	12/356,886	8,483,194
United States	13/938,159	8,730,931

United States	14/250,294	9,572,135
United States	15/243,720	9,867,167
United States	15/865,027	10,219,254
United States	16/286,577	
United States	61/152,583	
United States	12/649,134	8,423,631
United States	13/849,278	9,143,466
United States	14/860,651	9,762,541
United States	15/682,322	10,116,624
United States	16/175,680	
United States	61/224,716	
United States	12/834,017	9,900,251
United States	15/878,354	10,412,006
United States	16/231,377	
United States	61/368,244	
United States	13/192,325	8,671,187
United States	14/177,159	9,282,018
United States	15/058,760	9,699,055
United States	12/877,048	9,002,277
United States	14/663,028	9,814,055
United States	15/634,986	10,390,353
United States	16/546,250	
China P.R.	201180053666.8	103339885
China P.R.	201510647115.4	ZL201510647115.4
Europe	11823931.8	
Patent Cooperation Treaty	PCT/US2011/047591	
United States	13/286,121	10,091,065
United States	16/150,221	
United States	61/659,902	
United States	13/646,547	8,787,375
United States	14/314,893	9,008,089
United States	14/645,184	9,565,125
United States	15/381,727	9,729,463
United States	15/626,365	10,205,604
United States	16/274,115	
China P.R.	201280075335.9	ZL201280075335.9
Europe	12879114.2	
Patent Cooperation Treaty	PCT/US2012/059093	
United States	61/695,282	
United States	14/014,247	9,143,498
United States	14/820,251	9,473,484

United States	15/239,470	9,762,579
United States	15/645,711	9,979,727
United States	15/962,816	10,243,956
United States	16/365,654	
China P.R.	201380057158.6	104769909
Germany	602013052417.3	2891295
Germany	3171573	602013059014.1
Europe	13832735.8	2891295
Europe	17151065.4	3171573
France	17151065.4	3171573
United Kingdom	13832735.8	2891295
United Kingdom	17151065.4	3171573
Patent Cooperation Treaty	PCT/US2013/057692	
United States	61/725,435	
United States	61/761,620	
United States	61/762,238	
United States	14/078,434	10,014,915
United States	14/175,976	10,033,112
United States	16/018,939	10,298,296
United States	16/041,677	10,348,372
United States	16/504,193	
Patent Cooperation Treaty	PCT/US2014/015423	
United States	61/772,540	
United States	14/194,560	
United States	61/788,621	
United States	14/158,661	10,389,650
United States	16/546,242	
United States	61/802,186	
United States	14/216,313	
United States	61/799,352	
United States	14/201,336	9,628,467
United States	15/431,622	
China P.R.	201580023928.4	ZL201580023928.4
Europe	15758244.6	
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United States	61/801,516	
United States	14/216,566	9,769,056
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United States	14/216,742	9,762,679



United States	15/666,389	10,230,802
United States	16/289,634	
United States	61/799,909	
United States	14/027,188	9,948,626
United States	15/922,019	10,397,211
United States	16/506,945	
United States	61/801,578	
United States	14/102,425	9,690,676
United States	15/460,473	9,965,366
United States	15/885,625	
United States	61/800,521	
United States	14/210,211	9,578,144
United States	15/414,258	9,923,843
United States	15/921,117	
United States	61/802,187	
United States	14/216,934	9,413,772
United States	15/176,112	10,027,703
United States	16/010,288	
United States	61/802,054	
United States	14/217,132	9,794,169
United States	61/802,355	
United States	14/217,180	9,820,316
United States	14/084,505	10,108,755
United States	61/916,088	
United States	14/180,297	9,152,782
United States	14/868,347	9,479,540
United States	15/183,753	9,686,319
United States	15/480,273	10,003,615
United States	15/977,310	10,320,847
United States	16/438,378	
United States	14/281,124	10,117,085
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United States	62/000,166	
United States	14/715,263	9,813,862
United States	15/792,694	
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United States	62/036,486	
United States	14/465,734	9,992,619
United States	15/976,596	10,123,168
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United States	14/588,302	9,473,489
United States	15/238,512	9,774,593
United States	15/629,331	9,853,967
United States	15/845,994	10,154,027
United States	16/215,577	
United States	62/131,769	
United States	62/144,280	
United States	14/845,006	9,705,207
United States	15/066,955	9,812,791
United States	15/622,003	10,003,134
United States	15/791,235	10,193,239
United States	16/001,200	
United States	16/260,073	
China P.R.	201580079831.5	
China P.R.	201680027108.7	
Europe	15884897.8	
Europe	16762678.7	
Patent Cooperation Treaty	PCT/US2015/048396	
Patent Cooperation Treaty	PCT/US2016/022206	
Taiwan	105107536	
China P.R.	201530336968.7	ZL201530336968.7
China P.R.	201630004392.9	ZL201630004392.9
Taiwan	105110907	
United States	29/538,311	D823,284
United States	29/608,596	D823,837
United States	62/241,080	
United States	14/951,395	9,826,479
United States	15/816,891	10,231,180
United States	16/289,655	
China P.R.	201680072890.4	
Europe	16856212.2	
Patent Cooperation Treaty	PCT/US2016/056896	
United States	14/883,425	
United States	62/280,240	
United States	15/053,298	10,341,320
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United States	16/286,581	
United States	62/350,158	
United States	15/623,122	
Patent Cooperation Treaty	PCT/US2017/037539	
United States	62/354,665	

United States	15/262,707	10,321,306
United States	16/438,411	
United States	15/277,133	
United States	15/282,064	
United States	62/402,894	
United States	15/723,114	10,237,129
United States	16/289,642	
United States	15/428,049	
Germany	112018000731.6	
Patent Cooperation Treaty	PCT/US2018/017278	
United States	15/439,874	
United States	15/455,079	
United States	62/665,440	
United States	16/401,106	
United States	62/672,788	
United States	16/416,134	
United States	62/641,946	
United States	16/351,516	
United States	62/858,303	
United States	62/891,117	
United States	62/897,604	
United States	61/021,887	
United States	12/357,066	
United States	62/744,118	
United States	62/744,596	
Patent Cooperation Treaty	PCT/US2019/055748	
United States	90/013,001	
United States	90/013,002	
United States	90/013,400	
United States	90/013,418	
United States	90/013,627	
United States	90/012,797	
United States	90/012,879	
United States	90/013,153	
United States	90/013,166	
United States	90/013,740	
United States	90/013,802	