

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7440444

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
NETSPEED SYSTEMS, INC.	07/08/2022

**RECEIVING PARTY DATA**

<b>Name:</b>	INTEL CORPORATION
<b>Street Address:</b>	2200 MISSION COLLEGE BOULEVARD
<b>City:</b>	SANTA CLARA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95054

**PROPERTY NUMBERS Total: 117**

Property Type	Number
Patent Number:	9244880
Patent Number:	8885510
Patent Number:	9253085
Patent Number:	9185026
Patent Number:	9009648
Patent Number:	9007920
Patent Number:	9130856
Patent Number:	8934377
Patent Number:	9160627
Patent Number:	9185023
Patent Number:	9571402
Patent Number:	10027433
Patent Number:	9471726
Patent Number:	9054977
Patent Number:	9473388
Patent Number:	9223711
Patent Number:	8819611
Patent Number:	8819616
Patent Number:	9294354
Patent Number:	9830265

PATENT

<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	9158882
<b>Patent Number:</b>	9699079
<b>Patent Number:</b>	9473415
<b>Patent Number:</b>	9319232
<b>Patent Number:</b>	9762474
<b>Patent Number:</b>	9244845
<b>Patent Number:</b>	9473359
<b>Patent Number:</b>	9535848
<b>Patent Number:</b>	10528682
<b>Patent Number:</b>	9742630
<b>Patent Number:</b>	9477280
<b>Patent Number:</b>	10042404
<b>Patent Number:</b>	9571341
<b>Patent Number:</b>	10355996
<b>Patent Number:</b>	9529400
<b>Patent Number:</b>	9660942
<b>Patent Number:</b>	9444702
<b>Patent Number:</b>	9568970
<b>Patent Number:</b>	10050843
<b>Patent Number:</b>	10218580
<b>Patent Number:</b>	9774498
<b>Patent Number:</b>	9569579
<b>Patent Number:</b>	9563735
<b>Patent Number:</b>	10554496
<b>Patent Number:</b>	9571420
<b>Patent Number:</b>	9769077
<b>Patent Number:</b>	10496770
<b>Patent Number:</b>	9590813
<b>Patent Number:</b>	9829962
<b>Patent Number:</b>	10074053
<b>Patent Number:</b>	10313269
<b>Patent Number:</b>	10063496
<b>Patent Number:</b>	10084725
<b>Patent Number:</b>	10298485
<b>Patent Number:</b>	10084692
<b>Patent Number:</b>	10110499
<b>Patent Number:</b>	10452124
<b>Patent Number:</b>	10469337

<b>Property Type</b>	<b>Number</b>
Patent Number:	10564703
Patent Number:	10613616
Patent Number:	10564704
Patent Number:	10749811
Patent Number:	10735335
Patent Number:	10324509
Patent Number:	10419300
Patent Number:	10469338
Patent Number:	10547514
Patent Number:	10348563
Patent Number:	10218581
Patent Number:	10523599
Patent Number:	10896476
Patent Number:	11176302
Patent Number:	11023377
Patent Number:	11144457
Patent Number:	10983910
Application Number:	17334700
Patent Number:	8601423
Application Number:	13779618
Application Number:	13942332
Patent Number:	8667439
Patent Number:	9781043
Application Number:	14054667
Application Number:	14144321
Application Number:	14334019
Patent Number:	9928204
Patent Number:	9825809
Patent Number:	9864728
Patent Number:	9785732
Application Number:	14743749
Application Number:	15392154
Application Number:	15403162
Application Number:	15404010
Application Number:	15404159
Patent Number:	9860197
Patent Number:	9825887
Application Number:	15829749

Property Type	Number
Application Number:	15854508
Application Number:	15903298
Application Number:	15903425
Application Number:	15903502
Application Number:	15903572
Application Number:	15903948
Application Number:	16258205
Application Number:	16265948
Application Number:	62393465
Application Number:	62429695
Application Number:	62439440
Application Number:	62453431
Application Number:	62634015
Application Number:	62634076
Application Number:	62634079
Application Number:	62634099
Application Number:	62634100
Application Number:	62634111
Application Number:	62634472
Application Number:	62634587
Application Number:	62634653

**CORRESPONDENCE DATA**

**Fax Number:** (612)677-3572  
*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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**Email:** angela.miller@clarivate.com  
**Correspondent Name:** ANGELA MILLER  
**Address Line 1:** C/O CLARIVATE  
**Address Line 2:** P.O. BOX 5427  
**Address Line 4:** TUCSON, ARIZONA 85703

<b>ATTORNEY DOCKET NUMBER:</b>	NETSPEED
<b>NAME OF SUBMITTER:</b>	ANGELA MILLER
<b>SIGNATURE:</b>	/Angela Miller/
<b>DATE SIGNED:</b>	07/19/2022

**Total Attachments: 7**

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Patent Assignment Agreement

This Patent Assignment Agreement, dated as of July 8, 2022 (the "Effective Date"), is by and between **NetSpeed Systems, Inc.**, a corporation of Delaware, having a principal place of business at 2870 Zanker Road, Suite 210, San Jose, California, 95134, United States of America (the "**Assignor**"); and

**Intel Corporation**, a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California, 95054, United States of America (the "**Assignee**").

For good and valuable consideration, the receipt of which is hereby acknowledged, Assignor does hereby sell, assign, transfer and convey to Assignee and its successors and assigns all right, title and interest that may exist today and in the future to any and all:

- (1) Patents;
- (2) patents and patent applications to which any of the patents or patent applications listed in Schedule A directly or indirectly claims, or forms the basis for, priority anywhere in the world;
- (3) reissues, reexaminations, extensions, continuations, continuations-in-part, continuing prosecution applications and divisions of any of the items listed in (1) or (2) of this Assignment;
- (4) foreign counterparts to any of the items listed in (1), (2) or (3) of this Assignment, including utility models, inventors' certificates, industrial design protection and any other form of governmental grants or issuances for the protection of inventions, designs or discoveries;
- (5) inventions, invention disclosures, designs and discoveries described in the items listed in (1) through (4) of this Assignment;
- (6) patents that issue from any of the items listed in (1) through (5) of this Assignment;
- (7) claims, causes of action and enforcement rights of any kind, whether currently pending, filed or otherwise, and whether known or unknown, under or arising from any of the items listed in (1) through (6) of this Assignment, including all rights to pursue and collect damages, costs, injunctive relief and other remedies for past, current or future infringement of the Patents and including rights afforded under 35 U.S.C. § 154(d);
- (8) royalties, income and other payments due as of the date hereof or hereafter under or arising from any of the items listed in (1) through (7) of this Assignment; and
- (9) rights to apply for, file, register, maintain, extend and renew in any or all countries of the world patents, certificates of invention, utility models, industrial design protection, design patent protection and other governmental grants or issuances of any kind related to any of the items listed in (1) through (9) of this Assignment.

Patent Assignment Agreement

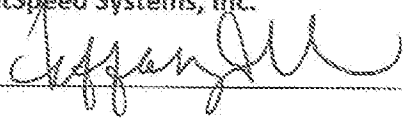
Assignor shall execute and deliver any instruments and do and perform any other acts and things as may be reasonably necessary or desirable for effecting and evidencing the assignments contemplated hereby, including the execution, acknowledgment and recordation of any instruments.

Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks and any other patent office to issue any and all patents, utility models or other governmental grants or issuances pertaining to any of the items assigned hereunder in the name of Assignee.

This Assignment will inure to the benefit of Assignee and its successors, assigns and other legal representatives and is binding upon Assignor and its successors, assigns, heirs and legal representatives.

AGREED to by Assignor as of the Effective Date stated above:

Assignor: NetSpeed Systems, Inc.

Signature: 

Printed Name: Tiffany Doon Silva

Title: Secretary

LEGAL OK	
Kenneth Nelson	July 7, 2022

Patent Assignment Agreement

ACCEPTED by Assignee as of the Effective Date stated above:

Assignee: Intel Corporation

Signature: 

Printed Name: Kenneth Nelson

Title: Assistant Director, Intel Patent Group

*[Signature Page to Patent Assignment Agreement]*



Schedule A

No.	Case Reference	Country	Status	Filing Number	Publication Number	Grant Number
1	AB8450-CN	China	Inactive	201310389131.9	103684961	ZL201310389131.9
2	AB8451-PCT-JP	Japan	Active	2015-535898	2016-503594	6093867
3	AB8458-PCT-JP	Japan	Active	2015-553847	2016-510549	5936793
4	AB8466-PCT-JP	Japan	Active	2016-516030	2016-525290	6060316
5	AB8465-PCT-JP	Japan	Active	2016-530069	2016-527636	6216454
6	AB8473-PCT-JP	Japan	Active	2016-543578	2017-502418	6383793
7	AB8481-PCT-JP	Japan	Active	2016-571197	2017-517978	6353084
8	AB8472-PCT-JP	Japan	Inactive	2016-541293	2017-500810	
9	AB8458-PCT-KR	Korea	Active	10-2015-7023266	10-2015-0122150	10-1830762
10	AB8465-PCT-KR	Korea	Active	10-2016-7001384	10-2016-0033695	10-2285138
11	AB8473-PCT-KR	Korea	Active	10-2016-7017440	10-2016-0102445	
12	AB8472-PCT-KR	Korea	Active	10-2016-7019093	10-2016-0089535	10-1707655
13	AB8481-PCT-KR	Korea	Active	10-2016-7034175	10-2017-0015320	10-2374572
14	AB8451-PCT-KR	Korea	Inactive	10-2015-7008705	10-2015-0140265	10-1937211
15	AB8466-PCT-KR	Korea	Inactive	10-2016-7002722	10-2016-0021893	10-1652490
16	AB8450-US	United States	Active	13/599,559	US-2014-0068132-A1	9,244,880
17	AB8451-US	United States	Active	13/647,557	US-2014-0098683-A1	8,885,510
18	AB8453-US	United States	Active	13/723,732	US-2014-0177473-A1	9,253,085
19	AB8454-US	United States	Active	13/723,882	US-2014-0177648-A1	9,185,026
20	AB8455-US	United States	Active	13/745,684	US-2014-0204735-A1	9,009,648
21	AB8456-US	United States	Active	13/745,696	US-2014-0204764-A1	9,007,920
22	AB8457-US	United States	Active	13/752,226	US-2014-0211622-A1	9,130,856
23	AB8459-US	United States	Active	13/794,273	US-2014-0254388-A1	8,934,377
24	AB8460-US	United States	Active	13/856,835	US-2014-0301241-A1	9,160,627
25	AB8461-US	United States	Active	13/886,753	US-2014-0328208-A1	9,185,023
26	AB8462-US	United States	Active	13/886,794	US-2014-0328172-A1	9,571,402
27	AB8463-US	United States	Active	13/922,053	US-2014-0376569-A1	10,027,433
28	AB8465-US	United States	Active	13/951,098	US-2015-0032437-A1	9,471,726
29	AB8466-US	United States	Active	13/959,541	US-2015-0036536-A1	9,054,977
30	AB8467-US	United States	Active	13/961,705	US-2015-0043575-A1	9,473,388
31	AB8470-US	United States	Active	13/965,668	US-2015-0052309-A1	9,223,711
32	AB8452-US-D1	United States	Active	14/027,651	US-2014-0115218-A1	8,819,611
33	AB8452-US-D2	United States	Active	14/027,730	US-2014-0115298-A1	8,819,616
34	AB8471-US	United States	Active	14/062,618	US-2015-0117261-A1	9,294,354
35	AB8474-US	United States	Active	14/085,106	US-2015-0143050-A1	9,830,265
36	AB8472-US	United States	Active	14/134,079	US-2015-0178435-A1	9,158,882
37	AB8468-US	United States	Active	14/144,258	US-2015-0188847-A1	9,699,079
38	AB8475-US	United States	Active	14/185,811	US-2015-0236963-A1	9,473,415
39	AB8476-US	United States	Active	14/245,917	US-2015-0288531-A1	9,319,232
40	AB8477-US	United States	Active	14/246,940	US-2015-0288596-A1	9,762,474
41	AB8478-US	United States	Active	14/275,608	US-2015-0324288-A1	9,244,845
42	AB8481-US	United States	Active	14/298,717	US-2015-0358211-A1	9,473,359

Schedule A

No.	Case Reference	Country	Status	Filing Number	Publication Number	Grant Number
43	AB8479-US	United States	Active	14/308,370	US-2015-0370720-A1	9,535,848
44	AB8486-US	United States	Active	14/477,764	US-2017-0061041-A1	10,528,682
45	AB8480-US	United States	Active	14/493,018	US-2017-0063625-A1	9,742,630
46	AB8484-US	United States	Active	14/495,689		9,477,280
47	AB8485-US	United States	Active	14/498,907	US-2017-0060204-A1	10,042,404
48	AB8482-US	United States	Active	14/504,291	US-2017-0063618-A1	9,571,341
49	AB8451-US-C1	United States	Active	14/519,639	US-2017-0063693-A1	10,355,996
50	AB8483-US	United States	Active	14/527,463		9,529,400
51	AB8488-US	United States	Active	14/612,807	US-2017-0063734-A1	9,660,942
52	AB8490-US	United States	Active	14/616,337		9,444,702
53	AB8489-US	United States	Active	14/620,710	US-2017-0060212-A1	9,568,970
54	AB8491-US	United States	Active	14/625,132	US-2017-0063639-A1	10,050,843
55	AB8495-US	United States	Active	14/743,865	US-2017-0230253-A1	10,218,580
56	AB8453-US-X1	United States	Active	14/750,096	US-2017-0063610-A1	9,774,498
57	AB8472-US-C1	United States	Active	14/789,401		9,569,579
58	AB8472-US-C2	United States	Active	14/789,409	US-2017-0061058-A1	9,563,735
59	AB8461-US-C1	United States	Active	14/925,904	US-2017-0063634-A1	10,554,496
60	AB8476-US-C1	United States	Active	15/014,955	US-2016-0156572-A1	9,571,420
61	AB8475-US-C1	United States	Active	15/264,381	US-2017-0063697-A1	9,769,077
62	AB8465-US-C1	United States	Active	15/265,177	US-2017-0061053-A1	10,496,770
63	AB8467-US-C1	United States	Active	15/265,590	US-2017-0063564-A1	9,590,813
64	AB8489-US-C1	United States	Active	15/382,722	US-2017-0097672-A1	9,829,962
65	AB8482-US-C1	United States	Active	15/387,402	US-2017-0103332-A1	10,074,053
66	AB8499-US	United States	Active	15/390,705	US-2018-0183715-A1	10,313,269
67	AB8503-US	United States	Active	15/402,819	US-2018-0198738-A1	10,063,496
68	AB8505-US	United States	Active	15/403,723	US-2018-0198734-A1	10,084,725
69	AB8502-US	United States	Active	15/425,919	US-2018-0227215-A1	10,298,485
70	AB8468-US-C1	United States	Active	15/608,673	US-2017-0264533-A1	10,084,692
71	AB8475-US-C2	United States	Active	15/671,052	US-2018-0019949-A1	10,110,499
72	AB8497-US	United States	Active	15/701,305	US-2018-0074572-A1	10,452,124
73	AB8501-US	United States	Active	15/885,297	US-2018-0219738-A1	10,469,337
74	AB8497-US-C1	United States	Active	15/903,396	US-2018-0181190-A1	10,564,703
75	AB8497-US-C2	United States	Active	15/903,427	US-2018-0181191-A1	10,613,616
76	AB8497-US-C3	United States	Active	15/903,462	US-2018-0181192-A1	10,564,704
77	AB8498-US-C2	United States	Active	15/903,557	US-2018-0183722-A1	10,749,811
78	AB8498-US-C3	United States	Active	15/903,633	US-2018-0191626-A1	10,735,335
79	AB8485-US-C2	United States	Active	15/903,702	US-2018-0181174-A1	10,324,509
80	AB8501-US-C1	United States	Active	15/903,724	US-2018-0219747-A1	10,419,300
81	AB8501-US-C2	United States	Active	15/904,225	US-2018-0219746-A1	10,469,338
82	AC4775-US	United States	Active	15/923,519	US-2019-0260644-A1	10,547,514
83	AB8491-US-X1	United States	Active	15/944,653	US-2018-0227180-A1	10,348,563

Schedule A

No.	Case Reference	Country	Status	Filing Number	Publication Number	Grant Number
84	AB8491-US-C1	United States	Active	16/014,880	US-2018-0302293-A1	10,218,581
85	AB8503-US-C1	United States	Active	16/037,924	US-2018-0324113-A1	10,523,599
86	AC5338-US	United States	Active	16/119,474	US-2019-0259113-A1	10,896,476
87	AB8509-US	United States	Active	16/258,149	US-2019-0266307-A1	11,176,302
88	AB8512-US	United States	Active	16/258,366	US-2019-0266089-A1	11,023,377
89	AB8514-US	United States	Active	16/258,404	US-2019-0258572-A1	11,144,457
90	AB8513-US	United States	Active	16/258,440	US-2019-0258573-A1	10,983,910
91	AB8512-US-C1	United States	Active	17/334,700	US-2022-0012177-A1	
92	AB8452-US	United States	Inactive	13/658,663		8,601,423
93	AB8458-US	United States	Inactive	13/779,618		
94	AB8464-US	United States	Inactive	13/942,332		
95	AB8458-US-C1	United States	Inactive	13/961,809		8,667,439
96	AB8464-US-X1	United States	Inactive	14/010,237	US-2015-0016257-A1	9,781,043
97	AB8469-US	United States	Inactive	14/054,667	US-2015-0103822-A1	
98	AB8473-US	United States	Inactive	14/144,321	US-2015-0186277-A1	
99	AB8452-US-C1	United States	Inactive	14/334,019	US-2014-0331027-A1	
100	AB8487-US	United States	Inactive	14/620,642	US-2017-0060805-A1	9,928,204
101	AB8492-US	United States	Inactive	14/726,235	US-2017-0063609-A1	9,825,809
102	AB8494-US	United States	Inactive	14/726,289	US-2017-0060809-A1	9,864,728
103	AB8496-US	United States	Inactive	14/738,487	US-2017-0228481-A1	9,785,732
104	AB8493-US	United States	Inactive	14/743,749	US-2017-0063626-A1	
105	AB8462-US-C1	United States	Inactive	15/392,154	US-2017-0111283-A1	
106	AB8504-US	United States	Inactive	15/403,162	US-2018-0198682-A1	
107	AB8506-US	United States	Inactive	15/404,010	US-2018-0198687-A1	
108	AB8507-US	United States	Inactive	15/404,159	US-2018-0197110-A1	
109	AB8488-US-C1	United States	Inactive	15/438,674	US-2017-0163574-A1	9,860,197
110	AB8488-US-C2	United States	Inactive	15/438,684	US-2017-0171115-A1	9,825,887
111	AB8498-US	United States	Inactive	15/829,749	US-2018-0159786-A1	
112	AB8500-US	United States	Inactive	15/854,508	US-2018-0183726-A1	
113	AB8485-US-C1	United States	Inactive	15/903,298	US-2018-0181173-A1	
114	AB8498-US-C1	United States	Inactive	15/903,425	US-2018-0183721-A1	
115	AB8500-US-C1	United States	Inactive	15/903,502	US-2018-0183727-A1	
116	AB8493-US-C1	United States	Inactive	15/903,572	US-2018-0183672-A1	
117	AB8500-US-C2	United States	Inactive	15/903,948	US-2018-0183728-A1	
118	AB8510-US	United States	Inactive	16/258,205	US-2019-0266088-A1	
119	AB8511-US	United States	Inactive	16/265,948	US-2019-0260504-A1	
120	AB8497-Z	United States	Inactive	62/393,465		
121	AB8498-Z	United States	Inactive	62/429,695		
122	AB8500-Z	United States	Inactive	62/439,440		
123	AB8501-Z	United States	Inactive	62/453,431		
124	AB8508-Z	United States	Inactive	62/634,015		

Schedule A

No.	Case Reference	Country	Status	Filing Number	Publication Number	Grant Number
125	AB8511-Z	United States	Inactive	62/634,076		
126	AB8513-Z	United States	Inactive	62/634,079		
127	AC4775-Z	United States	Inactive	62/634,099		
128	AB8514-Z	United States	Inactive	62/634,100		
129	AC5338-Z	United States	Inactive	62/634,111		
130	AB8510-Z	United States	Inactive	62/634,472		
131	AB8512-Z	United States	Inactive	62/634,587		
132	AB8509-Z	United States	Inactive	62/634,653		
133	AB8451-PCT	WIPO	Inactive	PCT/US2013/064140	WO2014/059024	
134	AB8455-PCT	WIPO	Inactive	PCT/US2014/012003	WO2014/113646	
135	AB8458-PCT	WIPO	Inactive	PCT/US2014/012012	WO2014/133684	
136	AB8459-PCT	WIPO	Inactive	PCT/US2014/023625	WO2014/164851	
137	AB8466-PCT	WIPO	Inactive	PCT/US2014/037902	WO2015/020712	
138	AB8465-PCT	WIPO	Inactive	PCT/US2014/048190	WO2015/013609	
139	AB8469-PCT	WIPO	Inactive	PCT/US2014/060745	WO2015/057872	
140	AB8471-PCT	WIPO	Inactive	PCT/US2014/060879	WO2015/061126	
141	AB8473-PCT	WIPO	Inactive	PCT/US2014/060886	WO2015/102725	
142	AB8472-PCT	WIPO	Inactive	PCT/US2014/060892	WO2015/094468	
143	AB8481-PCT	WIPO	Inactive	PCT/US2015/015604	WO2015/187209	