

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4733418

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	CHANGE OF NAME
CONVEYING PARTY DATA	
Name	Execution Date
BROCADE COMMUNICATIONS SYSTEMS, INC.	11/28/2017
RECEIVING PARTY DATA	
Name:	BROCADE COMMUNICATIONS SYSTEMS LLC
Street Address:	130 HOLGER WAY
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95134
PROPERTY NUMBERS Total: 678	
Property Type	Number
Application Number:	10207541
Application Number:	10134744
Application Number:	10285310
Application Number:	12400085
Application Number:	10056823
Application Number:	10062977
Application Number:	10123996
Application Number:	09972470
Application Number:	10124499
Application Number:	10066251
Application Number:	14332952
Application Number:	09972471
Application Number:	09239463
Application Number:	09426567
Application Number:	09872412
Application Number:	09929627
Application Number:	09892322
Application Number:	10059753
Application Number:	10062860
Application Number:	11198834

Property Type	Number
Application Number:	10201331
Application Number:	10205214
Application Number:	10208378
Application Number:	10208425
Application Number:	11755111
Application Number:	12506413
Application Number:	13347873
Application Number:	10208377
Application Number:	11683517
Application Number:	10208430
Application Number:	10208429
Application Number:	10208428
Application Number:	10209694
Application Number:	10425556
Application Number:	10425567
Application Number:	10425559
Application Number:	11457737
Application Number:	11457744
Application Number:	12576039
Application Number:	11457768
Application Number:	10356392
Application Number:	13284778
Application Number:	14854970
Application Number:	10285686
Application Number:	10124303
Application Number:	10208427
Application Number:	12342818
Application Number:	13363758
Application Number:	10208376
Application Number:	10208375
Application Number:	10283662
Application Number:	10285380
Application Number:	10284434
Application Number:	13251810
Application Number:	10208969
Application Number:	10259336
Application Number:	10210019
Application Number:	12749622

Property Type	Number
Application Number:	10208401
Application Number:	10282949
Application Number:	10282951
Application Number:	10282948
Application Number:	11769771
Application Number:	10282952
Application Number:	10282950
Application Number:	10356660
Application Number:	10347645
Application Number:	10285345
Application Number:	12415597
Application Number:	10356389
Application Number:	10356654
Application Number:	10356659
Application Number:	12556371
Application Number:	10667081
Application Number:	10695625
Application Number:	10695407
Application Number:	10610371
Application Number:	12779681
Application Number:	10695408
Application Number:	10695435
Application Number:	10699588
Application Number:	10633264
Application Number:	10767410
Application Number:	10699568
Application Number:	10767213
Application Number:	10699567
Application Number:	10698851
Application Number:	12575978
Application Number:	10767405
Application Number:	12722022
Application Number:	12987475
Application Number:	13238815
Application Number:	10699603
Application Number:	10903877
Application Number:	13045398
Application Number:	10903471

Property Type	Number
Application Number:	10903899
Application Number:	10909277
Application Number:	10903499
Application Number:	12272494
Application Number:	10780147
Application Number:	10988180
Application Number:	10853321
Application Number:	10932988
Application Number:	10987441
Application Number:	10988172
Application Number:	12545694
Application Number:	10955997
Application Number:	11140252
Application Number:	12790489
Application Number:	11140577
Application Number:	12498483
Application Number:	11208412
Application Number:	12500441
Application Number:	11258510
Application Number:	12785129
Application Number:	14519364
Application Number:	10277431
Application Number:	12877378
Application Number:	13294501
Application Number:	11782894
Application Number:	12764849
Application Number:	14052393
Application Number:	14706756
Application Number:	12169724
Application Number:	11877116
Application Number:	11952558
Application Number:	11952591
Application Number:	10546411
Application Number:	10623055
Application Number:	09303704
Application Number:	10020968
Application Number:	12826959
Application Number:	10873430

Property Type	Number
Application Number:	29122449
Application Number:	09872863
Application Number:	09922591
Application Number:	10295359
Application Number:	11430132
Application Number:	10368682
Application Number:	09739081
Application Number:	11140355
Application Number:	10026707
Application Number:	10299007
Application Number:	09920751
Application Number:	09995605
Application Number:	11800830
Application Number:	10873550
Application Number:	11478419
Application Number:	10873374
Application Number:	10873547
Application Number:	09225949
Application Number:	09225521
Application Number:	09183396
Application Number:	10798818
Application Number:	09938313
Application Number:	09829448
Application Number:	10284120
Application Number:	09728452
Application Number:	09932534
Application Number:	09932349
Application Number:	09964184
Application Number:	10383032
Application Number:	09809996
Application Number:	10613627
Application Number:	12051707
Application Number:	12603414
Application Number:	09932223
Application Number:	11171578
Application Number:	12567612
Application Number:	09846806
Application Number:	09823726

Property Type	Number
Application Number:	09846750
Application Number:	09918694
Application Number:	09512973
Application Number:	09823682
Application Number:	09888095
Application Number:	10671115
Application Number:	11748646
Application Number:	14479304
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Application Number:	11239954
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Application Number:	10071969
Application Number:	10091916
Application Number:	09895288
Application Number:	10414891
Application Number:	10414889
Application Number:	09500119
Application Number:	10138029
Application Number:	10393957
Application Number:	12763060
Application Number:	14827042
Application Number:	10010813
Application Number:	09755670
Application Number:	11669070
Application Number:	10219673
Application Number:	10775069
Application Number:	10796273
Application Number:	11258377
Application Number:	12470450
Application Number:	13601466

Property Type	Number
Application Number:	11748612
Application Number:	12183581
Application Number:	13675912
Application Number:	12614254
Application Number:	12580962
Application Number:	12135542
Application Number:	12119440
Application Number:	12913147
Application Number:	14221034
Application Number:	12119436
Application Number:	14577588
Application Number:	12119448
Application Number:	12245269
Application Number:	12140898
Application Number:	12614268
Application Number:	12258643
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Application Number:	12390626
Application Number:	12119457
Application Number:	12117606
Application Number:	12272096
Application Number:	12337471
Application Number:	12119430
Application Number:	14221134
Application Number:	12609133
Application Number:	12796812
Application Number:	12422775
Application Number:	12553689
Application Number:	12614243
Application Number:	12580913
Application Number:	13549863
Application Number:	13762077
Application Number:	12554491
Application Number:	12797032
Application Number:	15194331
Application Number:	13657477
Application Number:	12340228

Property Type	Number
Application Number:	12485420
Application Number:	12636591
Application Number:	12550227
Application Number:	12705508
Application Number:	12614256
Application Number:	12614286
Application Number:	12610044
Application Number:	14320758
Application Number:	15144541
Application Number:	12575607
Application Number:	12575608
Application Number:	12575611
Application Number:	12549271
Application Number:	12575610
Application Number:	12759880
Application Number:	12534457
Application Number:	12725249
Application Number:	14172683
Application Number:	12570565
Application Number:	13679900
Application Number:	12555785
Application Number:	12725171
Application Number:	12771943
Application Number:	12892115
Application Number:	12542438
Application Number:	12541784
Application Number:	12580918
Application Number:	13969214
Application Number:	12542583
Application Number:	12620361
Application Number:	13911464
Application Number:	12838624
Application Number:	12838627
Application Number:	14183057
Application Number:	12609929
Application Number:	13421666
Application Number:	13399554
Application Number:	12542662

Property Type	Number
Application Number:	12695401
Application Number:	12626432
Application Number:	12610143
Application Number:	12771793
Application Number:	12631559
Application Number:	12823073
Application Number:	13770751
Application Number:	12913572
Application Number:	12913598
Application Number:	13925723
Application Number:	12913650
Application Number:	14278727
Application Number:	13005485
Application Number:	13098490
Application Number:	14178042
Application Number:	13087239
Application Number:	14912585
Application Number:	12730749
Application Number:	13758902
Application Number:	14656544
Application Number:	13092724
Application Number:	15338201
Application Number:	15651999
Application Number:	13092580
Application Number:	13042259
Application Number:	13092460
Application Number:	15694516
Application Number:	13092701
Application Number:	14643760
Application Number:	15005967
Application Number:	13092752
Application Number:	12950974
Application Number:	13092877
Application Number:	12950968
Application Number:	12842936
Application Number:	13925696
Application Number:	12842945
Application Number:	12847779

Property Type	Number
Application Number:	14182146
Application Number:	13094242
Application Number:	13092864
Application Number:	13889637
Application Number:	14521738
Application Number:	12913717
Application Number:	13231367
Application Number:	13098360
Application Number:	13097876
Application Number:	13076310
Application Number:	13076321
Application Number:	13076327
Application Number:	14741066
Application Number:	14741112
Application Number:	14741132
Application Number:	14741150
Application Number:	14063137
Application Number:	15640408
Application Number:	12909131
Application Number:	12916390
Application Number:	13956241
Application Number:	12964221
Application Number:	12916060
Application Number:	15000964
Application Number:	15273499
Application Number:	13044326
Application Number:	14253763
Application Number:	13032445
Application Number:	13030806
Application Number:	13096725
Application Number:	13048817
Application Number:	13030688
Application Number:	13044301
Application Number:	13050102
Application Number:	12977933
Application Number:	13155159
Application Number:	13184526
Application Number:	13085330

Property Type	Number
Application Number:	13113917
Application Number:	15194349
Application Number:	13047513
Application Number:	14315800
Application Number:	13092873
Application Number:	13288822
Application Number:	12880495
Application Number:	14040146
Application Number:	12881935
Application Number:	13930771
Application Number:	12881949
Application Number:	14014133
Application Number:	12881962
Application Number:	14062562
Application Number:	12881980
Application Number:	13179308
Application Number:	13026369
Application Number:	13157942
Application Number:	15387167
Application Number:	15650082
Application Number:	13283802
Application Number:	14260032
Application Number:	13035841
Application Number:	14295104
Application Number:	13401287
Application Number:	15642186
Application Number:	13285833
Application Number:	13285918
Application Number:	14273414
Application Number:	13365993
Application Number:	13365808
Application Number:	13425238
Application Number:	13177028
Application Number:	13925665
Application Number:	13312903
Application Number:	13284829
Application Number:	13363306
Application Number:	13345566

Property Type	Number
Application Number:	14459176
Application Number:	13281602
Application Number:	13440870
Application Number:	13440861
Application Number:	13351513
Application Number:	13484072
Application Number:	14577785
Application Number:	13533843
Application Number:	13598204
Application Number:	13558321
Application Number:	13585688
Application Number:	14479308
Application Number:	12585725
Application Number:	14479306
Application Number:	13585720
Application Number:	13621138
Application Number:	13678032
Application Number:	13677909
Application Number:	13677929
Application Number:	13677922
Application Number:	13677957
Application Number:	13645293
Application Number:	13656438
Application Number:	15254879
Application Number:	13669313
Application Number:	13669357
Application Number:	13556061
Application Number:	14817097
Application Number:	13796136
Application Number:	13830286
Application Number:	15141617
Application Number:	13747348
Application Number:	13742207
Application Number:	14625536
Application Number:	13776217
Application Number:	13781506
Application Number:	13801858
Application Number:	14872966

Property Type	Number
Application Number:	14689728
Application Number:	13786604
Application Number:	15047539
Application Number:	13890150
Application Number:	13871956
Application Number:	14679532
Application Number:	15678956
Application Number:	13851026
Application Number:	13899849
Application Number:	13538747
Application Number:	15273477
Application Number:	13899440
Application Number:	13786626
Application Number:	13554823
Application Number:	13791367
Application Number:	13793441
Application Number:	14832874
Application Number:	13954861
Application Number:	13954867
Application Number:	13971397
Application Number:	15216374
Application Number:	14064029
Application Number:	14018713
Application Number:	14018741
Application Number:	13955549
Application Number:	13840540
Application Number:	14923327
Application Number:	13827641
Application Number:	13797169
Application Number:	13871777
Application Number:	13789519
Application Number:	13790593
Application Number:	14460948
Application Number:	13789488
Application Number:	13789475
Application Number:	14206879
Application Number:	15705740
Application Number:	14154106

Property Type	Number
Application Number:	15399556
Application Number:	14152764
Application Number:	15151193
Application Number:	14151693
Application Number:	14156374
Application Number:	14047325
Application Number:	15411716
Application Number:	14192751
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Application Number:	14215996
Application Number:	14284212
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Application Number:	14216292
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Application Number:	14511155
Application Number:	14316161
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Application Number:	14331774
Application Number:	14446994
Application Number:	15432739
Application Number:	14448796

Property Type	Number
Application Number:	14331864
Application Number:	14106414
Application Number:	14452110
Application Number:	14230843
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Application Number:	14618941
Application Number:	14517812
Application Number:	14446170
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Application Number:	14799371
Application Number:	14721978
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Application Number:	14815487
Application Number:	14830035
Application Number:	14792166
Application Number:	15720873
Application Number:	14822380
Application Number:	14512268
Application Number:	14510913
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Application Number:	14660740
Application Number:	14588106
Application Number:	14660803
Application Number:	14511026
Application Number:	14835294
Application Number:	14835313
Application Number:	14811669
Application Number:	14928742

Property Type	Number
Application Number:	14608007
Application Number:	14608013
Application Number:	14608001
Application Number:	14874055
Application Number:	14923738
Application Number:	14923769
Application Number:	15462614
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Application Number:	15056791
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Application Number:	15279082
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Application Number:	15273968
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Application Number:	15605181
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Application Number:	15605580
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Application Number:	15605710
Application Number:	62438935
Application Number:	62526510
Application Number:	15607030
Application Number:	15299741
Application Number:	15299756
Application Number:	15299767

Property Type	Number
Application Number:	15337759
Application Number:	15659314
Application Number:	62427383
Application Number:	62443125
Application Number:	62453720
Application Number:	15659791
Application Number:	62439383
Application Number:	62439770
Application Number:	62533371
Application Number:	62443248
Application Number:	15811328
Application Number:	62433529
Application Number:	15811377
Application Number:	62490816
Application Number:	62475653
Application Number:	62470941
Application Number:	62564855
Application Number:	62576478
Application Number:	11707697
Application Number:	10376903
Application Number:	12635371
Application Number:	10305823
Application Number:	11741480
Application Number:	12496560
Application Number:	13925670
Application Number:	12272618
Application Number:	09670487
Application Number:	11695458
Application Number:	12477069
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Application Number:	10124449
Application Number:	11657981
Application Number:	12759438
Application Number:	14248247
Application Number:	10273657
Application Number:	12506137
Application Number:	10214921

Property Type	Number
Application Number:	12760545
Application Number:	12781787
Application Number:	12961438
Application Number:	10364892
Application Number:	12827235
Application Number:	10668455
Application Number:	12938232
Application Number:	13101398
Application Number:	13023292
Application Number:	13595952
Application Number:	10840496
Application Number:	12177021
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Application Number:	13156145
Application Number:	12412290
Application Number:	14057680
Application Number:	12544170
Application Number:	12412786
Application Number:	13296112
Application Number:	12403130
Application Number:	12369641
Application Number:	12489366
Application Number:	13715674
Application Number:	12501389
Application Number:	14082546
Application Number:	12684022
Application Number:	13916476
Application Number:	12643902
Application Number:	13827863
Application Number:	12719822
Application Number:	12610173
PCT Number:	US1647075
PCT Number:	US1728399
PCT Number:	US1647200
PCT Number:	US1653285
PCT Number:	US1662749
PCT Number:	US1726854
PCT Number:	US1725146

Property Type	Number
PCT Number:	US1735030
PCT Number:	US1735032
PCT Number:	US1733145
PCT Number:	US1729395
PCT Number:	US1730244
PCT Number:	US1729814
PCT Number:	US1729816
PCT Number:	US1728965
PCT Number:	US1728671
PCT Number:	US1733142
PCT Number:	US1743908
PCT Number:	US1743852

CORRESPONDENCE DATA

Fax Number:

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.

Email: bhsieh@brocade.com

Correspondent Name: JAMES E. PARSONS - LEGAL DEPARTMENT

Address Line 1: 130 HOLGER WAY

Address Line 4: SAN JOSE, CALIFORNIA 95134

NAME OF SUBMITTER: BRANDON HSIEH

SIGNATURE: /Brandon Hsieh/

DATE SIGNED: 12/13/2017

Total Attachments: 5

source=BROCADE COMMUNICATIONS SYSTEMS LLC - DE - CONVERSION FORMATION#page1.tif

source=BROCADE COMMUNICATIONS SYSTEMS LLC - DE - CONVERSION FORMATION#page2.tif

source=BROCADE COMMUNICATIONS SYSTEMS LLC - DE - CONVERSION FORMATION#page3.tif

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source=BROCADE COMMUNICATIONS SYSTEMS LLC - DE - CONVERSION FORMATION#page5.tif

Delaware

The First State

Page 1

*I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF
DELAWARE, DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND
CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A DELAWARE
CORPORATION UNDER THE NAME OF "BROCADE COMMUNICATIONS SYSTEMS,
INC." TO A DELAWARE LIMITED LIABILITY COMPANY, CHANGING ITS NAME
FROM "BROCADE COMMUNICATIONS SYSTEMS, INC." TO "BROCADE
COMMUNICATIONS SYSTEMS LLC", FILED IN THIS OFFICE ON THE TWENTY-
EIGHTH DAY OF NOVEMBER, A.D. 2017, AT 12:37 O`CLOCK P.M.*



3003488 8100V
SR# 20177261706

You may verify this certificate online at corp.delaware.gov/authver.shtml

A handwritten signature in black ink, appearing to read "JB", is written over a horizontal line. Below the line, the text "Jeffrey W. Bullock, Secretary of State" is printed in a small font.

Authentication: 203642381
Date: 11-28-17

PATENT
REEL: 044891 FRAME: 0555

**CERTIFICATE OF CONVERSION TO
LIMITED LIABILITY COMPANY**

OF

BROCADE COMMUNICATIONS SYSTEMS, INC.
A Delaware Corporation

TO

BROCADE COMMUNICATIONS SYSTEMS LLC
A Delaware Limited Liability Company

November 28, 2017

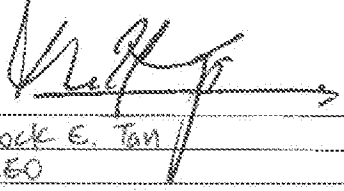
This Certificate of Conversion to Limited Liability Company has been duly executed and is being filed by Brocade Communications Systems, Inc., a Delaware corporation (the "Corporation"), to convert the Corporation to Brocade Communications Systems LLC, a Delaware limited liability company (the "LLC"), under the Delaware Limited Liability Company Act (6 Del. C. § 18-101, et seq.) and the General Corporation Law of the State of Delaware (8 Del. C. § 101, et seq.).

1. The Corporation was first incorporated on February 11, 1999 in the State of Delaware by filing its original Certificate of Incorporation with the Secretary of State of the State of Delaware on such date, and immediately prior to filing this Certificate of Conversion to Limited Liability Company was a corporation incorporated in the State of Delaware.
2. The name and type of entity of the Corporation immediately prior to the filing of this Certificate of Conversion to Limited Liability Company was Brocade Communications Systems, Inc., a Delaware corporation.
3. The name of the limited liability company into which the Corporation shall be converted as set forth in its certificate of formation is Brocade Communications Systems LLC, a Delaware limited liability company.
4. The conversion of the Corporation to the LLC shall be effective on November 28, 2017.

(Signature page follows)

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Conversion as of the date first written above.

Brocade Communications Systems, Inc.

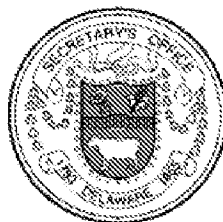
By: 
Name: Hock E. Tan
Title: CEO

Delaware

The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF
DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND
CORRECT COPY OF THE CERTIFICATE OF FORMATION OF "BROCADE
COMMUNICATIONS SYSTEMS LLC" FILED IN THIS OFFICE ON THE
TWENTY-EIGHTH DAY OF NOVEMBER, A.D. 2017, AT 12:37 O`CLOCK
P.M.



A handwritten signature in black ink, appearing to read "JBULLOCK", is written over a horizontal line. Below the line, the text "Jeffrey W. Bullock, Secretary of State" is printed.

3003488 8100V
SR# 20177261706

You may verify this certificate online at corp.delaware.gov/authver.shtml

Authentication: 203642381
Date: 11-28-17

PATENT
REEL: 044891 FRAME: 0558

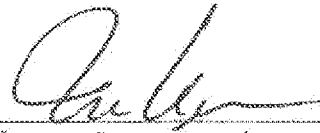
CERTIFICATE OF FORMATION
OF
BROCADE COMMUNICATIONS SYSTEMS LLC

(Pursuant to Section 18-201 of the Delaware Limited Liability Company Act)

THIS CERTIFICATE OF FORMATION of Brocade Communications Systems LLC, dated November 28, 2017, has been duly executed and is being filed by the undersigned, an authorized person, to form a limited liability company under the Delaware Limited Liability Company Act (6 Del. C. §18-101, et seq.), as follows:

- FIRST: The name of the limited liability company formed hereby is Brocade Communications Systems LLC (the "Company").
- SECOND: The address of the registered office of the Company in the State of Delaware is 251 Little Falls Drive, Wilmington, Delaware 19808.
- THIRD: The name and address of the registered agent for service of process on the Company in the State of Delaware is Corporation Service Company, 251 Little Falls Drive, Wilmington, Delaware 19808.
- FOURTH: The formation of the Company shall be effective on November 28, 2017.

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Formation as of the date first above written.



Name: Thomas H. Krause, Jr.
Authorized Person