PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3706549

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HAMMERHEAD SYSTEMS, INC.	01/08/2010

RECEIVING PARTY DATA

Name:	BRIXHAM SOLUTIONS LTD.
Street Address:	OMC CHAMBERS, WICKHAMS CAY 1, ROAD TOWN
City:	TORTOLA
State/Country:	VIRGIN ISLANDS, BRITISH

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14919687

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	616.P00041AUS/TPHHP111USC
NAME OF SUBMITTER:	THOMAS E. WATSON
SIGNATURE:	/Thomas E. Watson/
DATE SIGNED:	01/21/2016

Total Attachments: 5
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ASSIGNMENT OF PATENT RIGHTS

WHEREAS, HAMMERHEAD SYSTEMS, INC., a Delaware Corporation having an office at 640 CLYDE COURT, MOUNTAIN VIEW, CA 94043 ("***Assignor***") was the owner of the provisional patent applications, patent applications and patents listed in the **Attachment** hereto (***"Listed Patents"***); and

WHEREAS, on or about May 21, 2009, Assignor filed for relief under Chapter 7 of the Bankruptcy Code; and

WHEREAS, on November 23, 2009, the United States Bankruptcy Court for the Northern District of California entered its Default Order Authorizing And Approving Sale of Personal Property, Payment of Broker and Payment to Silicon Valley Bank ("***Sale Order***"), case number 09-53917 ASW, which approved the sale and transfer of the Listed Patents to Transpacific IP Pte. Ltd., ("***Transpacific***") and its subsidiaries and affiliates; and

WHEREAS, one said affiliate of Transpacific is Brixham Solutions Ltd., a British Virgin Islands international business company, having an office at OMC Chambers, Wickhams Cay 1, Road Town, Tortola, British Virgin Islands (***"Assignee"***); and

WHEREAS, Carol Wu, the duly appointed and authorized Chapter 7 Trustee for Assignor ("***Trustee***"), agrees and acknowledges that she is authorized by the Sale Order to execute and deliver to Assignee all documents reasonably necessary and appropriate to fully consummate and confirm the sale and transfer of the Listed Patents to Assignee contemplated in the Sale Order.

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, by and through the Trustee, does hereby sell, assign, transfer, and convey unto Assignee, or its designees, all right, title, and interest that exist today and may exist in the future in and to all of the following (collectively, the ***"Patent Rights"***), including:

(a) the provisional patent applications, patent applications and patents listed in the **Attachment** hereto (***"Listed Patents"***),

(b) all patents or patent applications (i) to which any of the foregoing directly or indirectly claim priority, and (ii) for which any of the foregoing directly or indirectly forms a basis for priority, and/or (iii) that were co-owned patent applications that incorporate by reference, or are incorporated by reference into, any of the foregoing, and (iv) that are reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, or divisions of any of the foregoing, and/or (v) that are foreign patents, patent applications and counterparts to any of the foregoing, including certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances and (vi) any of the foregoing in (i)-(v) whether or not expressly listed as Listed Patents below and whether or not abandoned, rejected, or the like;

(c) inventions, invention disclosures, and discoveries described in any of the Listed Patents and /or any of the foregoing category (b) to the extent that any such inventions, invention disclosures, and discoveries (i) are included in any claim in the Listed Patents and /or any of the foregoing category (b), (ii) are subject matter capable of being reduced to a patent claim in any reissue or reexamination proceedings brought on any of the Listed Patents and /or any of the foregoing category (b), and/or (iii)

could have been and/or could be included as a claim in any continuations, continuations in part, continuing prosecution applications, requests for continuing examinations and/or divisions of the Listed Patents and /or any of the foregoing category (b);

(d) rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections or other governmental grants or issuances of any type related to the any of the foregoing categories (a), (b) and/or (c), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement or understanding;

(e) causes of action (whether currently pending, filed, or otherwise) and other enforcement rights, including, without limitation, all rights under the Listed Patents and/or under or on account of any of the foregoing categories (b), (c) and/or (d) to

(i) damages,
(ii) injunctive relief and
(iii) other remedies of any kind

for past, current and future infringement; and

(f) all rights to collect royalties and other payments under or on account of any of the Listed Patents or any of the foregoing categories (b) through (e).

Assignor, by and through the Trustee, hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

[Signature Page to Follow]

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at Pleasant Hill, California on this 8th day of January, 2010.

ASSIGNOR (BY AND THROUGH CHAPTER 7 BANKRUPTCY TRUSTEE CAROL WU)

By: Carol Wu, Trustee

Name: Carol Wu

Title: Chapter 7 Bankruptcy Trustee, In Re Hammerhead Systems, Inc., USBC, N.D. California, Case # 09-53917 ASW

(Signature MUST be notarized)

STATE OF California)
) ss.
COUNTY OF Contra Costa)

On Jan. 8, 2010, before me, Heather A. Harper, Notary Public in and for said State, personally appeared Carol Wu, ~~personally known to me~~ (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that ~~he~~/she executed the same in ~~his~~/her authorized capacity, and that by ~~his~~/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under penalty of perjury under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Heather A. Harper (Seal)

TGJ1 HEATHER A. HARPER COMM. #1796753 NOTARY PUBLIC - CALIFORNIA CONTRA COSTA COUNTY My Comm. Expires April 28, 2012 TGJ1

Attachment

Listed Patents

Patent No. / Appln No.	Country	Title	Inventors' Name	Filing Date
7,535,895	US	Selectively switching data between link interfaces and processing engines in a network switch	Medved, Jan ; Dadnam, Alex ; Kanagala, Sameer ; Liaw, Fong ; Burns, John ; Bumstead, David	5/29/2003
12/384,471	US	Selectively switching data between link interfaces and processing engines in a network switch		4/2/2009
PCT/US2004/015181	WO	Network switch for link interfaces and processing engines	Medved, Jan ; Dadnam, Alex ; Kanagala, Sameer ; Liaw, Fong ; Burns, John ; Bumstead, David	5/13/2004
AU2004244590	AU	Network switch for link interfaces and processing engines	Medved, Jan ; Dadnam, Alex ; Kanagala, Sameer ; Liaw, Fong ; Burns, John ; Bumstead, David	5/13/2004
EP04752252.9	EP	Network switch for link interfaces and processing engines	Medved, Jan ; Dadnam, Alex ; Kanagala, Sameer ; Liaw, Fong ; Burns, John ; Bumstead, David	5/13/2004
CA2526800	CA	Network switch for link interfaces and processing engines	Medved, Jan ; Dadnam, Alex ; Kanagala, Sameer ; Liaw, Fong ; Burns, John ; Bumstead, David	5/13/2004
60/653,065	US	Pseudowire protection		2/14/2005
11/354,569	US	Pseudowire protection		2/14/2006
60/698,893	US	Supporting pseudo-wires in SUB-IP access networks		7/12/2006
11/486,432	US	Proxeis for pseudo-wire allocation and distribution		7/12/2006
60/725,038	US	Application wire: mapping application streams to pseudowires	Pan, ping ; Gitlin, Richard;	10/7/2005
11/543,727	US	Application wire	Pan, ping ; Gitlin, Richard;	10/5/2006
PCT/US2006/039257	WO	Application wire	Pan, ping ; Gitlin, Richard;	10/6/2006
EP06816473.0	EP	Application wire	Pan, ping ; Gitlin, Richard;	10/6/2006
60/726,115	US	IMS-based network convergence with the HSX	Pan, ping ; Gitlin, Richard;	10/12/2005
11/580,530	US	Control plane to data plane binding	Pan, ping ; Gitlin, Richard;	10/12/2006
PCT/US2006/040166	WO	Control plane to data plane binding	Pan, ping ; Gitlin, Richard;	10/12/2006
EP06816917.6	EP	Control plane to data plane binding	Pan, ping ; Gitlin, Richard;	10/12/2006
60/792,078	US	Hybrid switching method for efficient packet processing	Pan, Ping ; Dadnam, Alex, Shaham ; Holmes, Kim;	4/14/2006
11/787,664	US	Hybrid data switching for efficient packet processing	Pan, Ping ; Dadnam, Alex, Shaham ; Holmes, Kim;	4/16/2007
PCT/US2007/009342	WO	Hybrid data switching for efficient packet processing	Pan, Ping ; Dadnam, Alex, Shaham ; Holmes, Kim;	4/16/2007
EP07755572.0	EP	Hybrid data switching for efficient packet processing	Pan, Ping ; Dadnam, Alex, Shaham ; Holmes, Kim;	4/16/2007
60/835,794	US	Global IP-based service-oriented network architecture overview and IMS user case		8/4/2006

Patent No. / Appln No.	Country	Title	Inventors' Name	Filing Date
11/890,308	US	Global IP-based service-oriented network architecture		8/3/2007
60/897,778	US	Mapping PBT traffic to VPLS and other services	Figueira, Norival, R. ; Liaw, Fong ; Gitlin, Richard D. ;	1/25/2007
12/009,833	US	Mapping PBT and PBB-TE traffic to VPLS and other services	Figueira, Norival, R. ; Liaw, Fong ; Gitlin, Richard D. ;	1/22/2008
PCT/US2008/000877	WO	Mapping PBT and PBB-TE traffic to VPLS and other services	Figueira, Norival, R. ; Liaw, Fong ; Gitlin, Richard ;	1/23/2008
EP08724730.0	EP	Mapping PBT and PBB-TE traffic to VPLS and other services	Figueira, Norival, R.; Liaw, Fong; Gitlin, Richard	1/23/2008
60/920,227	US	L2VPN over PBB/PBT and seamless interworking with VPLS	Figueira, Norival R ; Gitlin, Richard D. ;	3/26/2007
12/079,413	US	Layer 2 virtual private network over PBB-TE/PBT and seamless interworking with VPLS	Figueira, Norival R ; Gitlin, Richard D. ;	3/25/2008
PCT/US2008/003960	WO	Layer 2 virtual private network over PBB-TE/PBT and seamless interworking with VPLS	Figueira, Norival R ; Gitlin, Richard D. ;	3/25/2008
EP08742287.9	EP	Layer 2 virtual private network over PBB-TE/PBT and seamless interworking with VPLS	Figueira, Norival R ; Gitlin, Richard D. ;	3/25/2008
61/002,414	US	E-trees over MPLS and PBB-TE networks		11/7/2007
12/290,463	US	E-trees over MPLS and PBB-TE networks		10/29/2008
10/646,340	US	Method for performing protocol translation in a network switch		8/21/2003
10/677,090	US	Virtual service endpoint		9/30/2003
10/742,573	US	Network management system		12/19/2003
10/749,922	US	Network service provisioning		12/31/2003
7,609,621	US	Automatic protection network switching	Kanagala, Sameer ; Medved, Jan ; Dadnam, Alex	2/10/2004
12/584,722	US	Automatic protection network switching	Kanagala, Sameer ; Medved, Jan ; Dadnam, Alex	9/10/2009
60/511,622	US	Hammerhead pooling switch architecture		10/14/2003
11/486,389	US	Lightweight control-plane signaling for aggregation devices in a network		7/12/2006