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09-30-1999

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Key Docket No.: A-21505

To the Honorable Commissioner of Patents

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checked original documents or copy thereof.

99 OCT 20 11:25

1. Name of conveying party(ies):

Jacob W. JORGENSEN

2. Name and address of receiving party(ies):

MALIBU NETWORKS, INC.

Additional name(s) of conveying party(ies) attached?
 Yes No

Internal Address: _____

3. Nature of conveyance:

Assignment Merger

Street Address: 26637 Agoura Road

Security Agreement Change of Name

Other _____

City: Calabasas State: CA ZIP: 91302

Execution Date: September 20, 1999

Add'l name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application Nos.: 09/349,477; 09/349,480; 09/350,126; 09/350,118; 09/347,856; 09/350,150; 09/350,156; 09/349,476; 09/350,170; 09/349,481; 09/350,159; 09/347,857; 09/349,475; 09/349,483; 09/349,479; 09/350,162; 09/349,975; 09/350,173; 09/349,482; 09/349,478 and 09/349,474.

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Ralph P. Albrecht

6. Total number of applications and patents involved: _____

21

Internal Address: _____

7. Total fee (37 CFR 1.21(h))..... \$ 840.00

Enclosed
 Authorized to be charged to deposit account

Street Address: LANE, AITKEN & McCANN

8. Deposit account number: _____

2600 Virginia Avenue, NW

City: Washington State: DC ZIP: 20037

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Ralph P. Albrecht, Reg. No. 43,466

September 27, 1999

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and document: 4

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks, Box Assignments

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ASSIGNMENT

WHEREAS, I, Jacob W. Jorgensen, a citizen of the United States of America, residing at 154 Black Powder Circle, Folsom, California 95630 (hereinafter referred to as "Assignor"), have invented certain new and useful improvements in the inventions listed below, for which I have made applications for United States Letters Patent by applications filed July 9, 1999; and

WHEREAS, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto:

MALIBU NETWORKS, INC.
26637 Agoura Road
Calabasas, CA 91302

(hereinafter ASSIGNEE) all rights, title and interest for the United States, its territories and possessions in and to his inventions relating to the following:

U.S. Pat. Appl. No. 09/349,477 "Transmission Control Protocol/Internet Protocol (TCP/IP) Packet-Centric Wireless Point to Multi-Point (PtMP) Transmission System Architecture," filed July 9, 1999, Atty. Dkt. No. A-21505;

U.S. Pat. Appl. No. 09/349,480 entitled "Quality of Service (QoS) - Aware Wireless Point to Multi-Point (PtMP) Transmission System Architecture," filed July 9, 1999, Atty. Dkt. No. A-21506;

U.S. Pat. Appl. No. 09/350,126 entitled "Method for Providing Dynamic Bandwidth Allocation Based on IP-Flow Characteristics in a Wireless Point to Multi-Point (PtMP) Transmission System," filed July 9, 1999, Atty. Dkt. No. A-21507;

U.S. Pat. Appl. No. 09/350,118 entitled "Method for Providing for Quality of Service (QoS) - Based Handling of IP-Flows in a Wireless Point to Multi-Point Transmission System," filed July 9, 1999, Atty. Dkt. No. A-21508;

U.S. Pat. Appl. No. 09/347,856 entitled "IP-Flow Identification in a Wireless Point to Multi-Point Transmission System," filed July 9, 1999, Atty. Dkt. No. A-21509;

U.S. Pat. Appl. No. 09/350,150 entitled "IP-Flow Characterization in a Wireless Point to Multi-Point (PtMP) Transmission System," filed July 9, 1999, Atty. Dkt. No. A-21510;

U.S. Pat. Appl. No. 09/350,156 entitled "IP-Flow Classification in a Wireless Point to Multi-Point (PtMP) Transmission System," filed July 9, 1999, Atty. Dkt. No. A-21511;

U.S. Pat. Appl. No. 09/349,476 entitled "IP-Flow Prioritization in a Wireless Point to Multi-Point (PtMP) Transmission System," filed July 9, 1999, Atty. Dkt. No. A-21512;

U.S. Pat. Appl. No. 09/350,170 entitled "Method of Operation for Providing for Service Level Agreement (SLA) Based Prioritization in a Wireless Point to Multi-Point (PtMP) Transmission System," filed July 9, 1999, Atty. Dkt. No. A-21513;

U.S. Pat. Appl. No. 09/349,481 entitled "Method for Transmission Control Protocol (TCP) Rate Control With Link-Layer Acknowledgments in a Wireless Point to Multi-Point (PtMP) Transmission System," filed July 9, 1999, Atty. Dkt. No. A-21514;

U.S. Pat. Appl. No. 09/350,159 entitled "Transmission Control Protocol/Internet Protocol (TCP/IP) - Centric QoS Aware Media Access Control (MAC) Layer in a Wireless Point to Multi-Point (PtMP) Transmission System," filed July 9, 1999, Atty. Dkt. No. A-21532;

U.S. Pat. Appl. No. 09/347,857 entitled "Use of Priority-Based Scheduling for the Optimization of Latency and Jitter Sensitive IP Flows in a Wireless Point to Multi-Point Transmission System," filed July 9, 1999, Atty. Dkt. No. A-21533;

U.S. Pat. Appl. No. 09/349,475 entitled "Time Division Multiple Access/ Time Division Duplex (TDMA/TDD) Access Method for a Wireless Point to Multi-Point Transmission System," filed July 9, 1999, Atty. Dkt. No. A-21534;

U.S. Pat. Appl. No. 09/349,483 entitled "Reservation Based Prioritization Method for Wireless Transmission of Latency and Jitter Sensitive IP-Flows in a Wireless Point to Multi-Point Transmission System," filed July 9, 1999, Atty. Dkt. No. A-21535;

U.S. Pat. Appl. No. 09/349,479 entitled "Translation of Internet-Prioritized Internet Protocol (IP)-Flows into Wireless System Resource Allocations in a Wireless Point to Multi-Point (PtMP) Transmission System," filed July 9, 1999, Atty. Dkt. No. A-21536;

U.S. Pat. Appl. No. 09/350,162 entitled "Method of Operation for the Integration of Differentiated services (Diff-serv) Marked IP-Flows into a Quality of Service (QoS) Priorities in a Wireless Point to Multi-Point (PtMP) Transmission System," filed July 9, 1999, Atty. Dkt. No. A-21539;

U.S. Pat. Appl. No. 09/349,975 entitled "Method for the Recognition and Operation of Virtual Private Networks (VPNs) over a Wireless Point to Multi-Point (PtMP) Transmission System," filed July 9, 1999, Atty. Dkt. No. A-21540;

U.S. Pat. Appl. No. 09/350,173 entitled "Time Division Multiple Access/Time Division Duplex (TDMA/TDD) Media Access Control (MAC) Transmission Air Frame," filed July 9, 1999, Atty. Dkt. No. A-21541;

U.S. Pat. Appl. No. 09/349,482 entitled "Application - Aware, Quality of Service (QoS) Sensitive, Media Access Control (MAC) Layer," filed July 9, 1999, Atty. Dkt. No. A-21542;

U.S. Pat. Appl. No. 09/349,478 entitled "Transmission Control Protocol/Internet Protocol (TCP/IP) Packet-Centric Wireless Point to Point (PtP) Transmission System Architecture," filed July 9, 1999, Atty. Dkt. No. A-21543; and

U.S. Pat. Appl. No. 09/349,474 entitled "Transmission Control Protocol/Internet Protocol (TCP/IP) Packet-Centric Cable Point to Multi-Point (PtMP) Transmission System Architecture," filed July 9, 1999, Atty. Dkt. No. A-21547;

as set forth in his United States Patent Applications, as set forth above, in and to said United States Patent Applications including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States, which may issue on any such applications or for said inventions, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made.

The Assignor also hereby sells and assigns to the Assignee, its successors and assigns, his foreign rights to the invention disclosed in said application, in all patent-granting countries of the world, including the right to file applications and obtain patents for said invention in its own name in said countries and including all rights of priority in said countries under the terms of the International Convention for the Protection of Industrial Property, and the Assignor further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

The Assignor also hereby agrees, at the request and expense of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain and enforce proper patent protection for said invention in all countries.

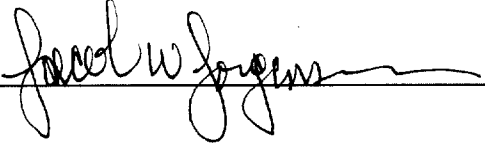
The Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters patent to said ASSIGNEE, its successors or assigns in accordance herewith.

The Assignor warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith.

The Assignor further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said inventions or patent applications and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said inventions, to said applications including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention.

The Assignor hereby grants the firm of **LANE, AITKEN & McCANN, LLP** or any partner thereof, the power to insert into this Assignment any further identification, which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

INVENTOR: Jacob W. Jorgensen



Dated: 20 SEPT 1999