

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

INTEL CORP. and
CAVIUM, INC.,

Petitioners,

v.

ALACRITECH INC.,

Patent Owner

Case IPR2017-01406¹
U.S. Patent 7,673,072

**PATENT OWNER'S EXHIBIT 2301
LISTING OF CHALLENGED CLAIMS**

¹ Cavium, who filed a Petition in Case IPR2017-01707, has been joined as a petitioner in this proceeding.

Claim 1 of the '072 Patent	
Label	Limitation
1.p	A method comprising:
1.1	establishing, at a host computer, a transport layer connection, including creating a context that includes protocol header information for the connection;
1.2	transferring the protocol header information to an interface device;
1.3	transferring data from the network host to the interface device, after transferring the protocol header information to the interface device;
1.4	dividing, by the interface device, the data into segments;
1.5	creating headers for the segments, by the interface device, from a template header containing the protocol header information; and
1.6	prepending the headers to the segments to form transmit packets.

Claim 2 of the '072 Patent	
Label	Limitation
2	The method of claim 1, further comprising transferring status information for the context to the interface device during the same operation as transferring protocol header information to the interface device.

Claim 3 of the '072 Patent	
Label	Limitation
3	The method of claim 1, wherein creating headers for the segments includes adding status information to the template header.

Claim 4 of the '072 Patent	
Label	Limitation
4	The method of claim 1, wherein the protocol header information includes Internet Protocol (IP) addresses and Transmission Control Protocol (TCP) ports for the connection, and creating headers for the segments includes forming headers containing the IP addresses and TCP ports.

Claim 5 of the '072 Patent	
Label	Limitation
5	The method of claim 1, wherein the protocol header information includes a Media Access Control (MAC) layer address, and creating headers for the segments includes forming headers containing the MAC layer address.

Claim 6 of the '072 Patent	
Label	Limitation
6	The method of claim 1, further comprising adding to the context a descriptor for a buffer, in a memory of the computer, that has been allocated for application data.

Claim 7 of the '072 Patent	
Label	Limitation
7	The method of claim 1, further comprising receiving, by the interface device, receive packets that correspond to the context, and updating the context by the interface device to account for the receive packets.

Claim 8 of the '072 Patent	
Label	Limitation
8	The method of claim 1, further comprising transmitting the transmit packets on a network.

Claim 9 of the '072 Patent	
Label	Limitation
9.p	A method comprising:
9.1	creating, at a computer, a context including protocol information and status information for a network connection, the protocol information providing a template header for the network connection;
9.2	transferring the protocol information and status information to an interface device;
9.3	transferring data from the computer to the interface device, after transferring the protocol information and status information to the interface device;
9.4	dividing, by the interface device, the data into segments;
9.5	creating headers for the segments, by the interface device, from the template header;
9.6	prepending the headers to the segments to form packets; and
9.7	transmitting the packets on a network.

Claim 10 of the '072 Patent	
Label	Limitation

10	The method of claim 9, wherein creating headers for the segments includes adding current status information to the template header, the current status information being different than the status information that was transferred to the interface device.
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Claim 11 of the '072 Patent	
Label	Limitation
11	The method of claim 9, wherein the protocol header information includes Internet Protocol (IP) addresses and Transmission Control Protocol (TCP) ports for the connection, and creating headers for the segments includes forming headers containing the IP addresses and TCP ports.

Claim 12 of the '072 Patent	
Label	Limitation
12	The method of claim 9, wherein the protocol header information includes a Media Access Control (MAC) layer address, and creating headers for the segments includes forming headers containing the MAC layer address.

Claim 13 of the '072 Patent	
Label	Limitation
13	The method of claim 9, further comprising transferring to the interface device a descriptor for a buffer, in a memory of the computer, that has been allocated for application data that is transferred according to the protocol information.

Claim 14 of the '072 Patent	
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