



Patent Search Report

SEARCH TYPE: **INVALIDITY SEARCH**

TITLE: **US 6,775,235 and US 7,406,048**

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and Alone References

020010866	
Claim 13 ('048)	US20020010866
Method for controlling access to multiple independent disparate networks in a local network configuration, the disparate networks comprising at least one local network and at least one network based on the Internet, the method comprising the steps of:	<i>Abstract</i>
Routing a packet through a site interface that connects a controller to a site;	<i>Para [0047]</i>
Routing between at least two network interfaces of the controller which use at two known location address ranges which are respectively associated with disparate networks, according to at least: a destination of the packet, an actual presence of alternate paths to that destination, and at least one predefined criterion for selecting between alternate paths when such alternate paths are present; and	<i>Para [0126] - [0127]</i>
Routing the packet through the selected network interface.	<i>Para [0126] - [0127]</i>

72127	
Claim 13 ('048)	US6272127
Method for controlling access to multiple independent disparate networks in a local network configuration, the disparate networks comprising at least one local network and at least one network based on the Internet, the method comprising the steps of:	<i>Abstract</i>
Routing a packet through a site interface that connects a controller to a site;	<i>Col 3, In 1 - 18</i>
Routing between at least two network interfaces of the controller which use at two known location address ranges which are respectively associated with disparate networks, according to at least: a destination of the packet, an actual presence of alternate paths to that destination, and at least one predefined criterion for selecting between alternate paths when such alternate paths are present; and	<i>Col 6, In 18 - 33</i>
Routing the packet through the selected network interface.	<i>Col 28, In 35 - 52</i>

72127	
Claim 19 ('048)	US6272127
Controller for combining connections for access to disparate parallel networks, the controller comprising:	<i>Abstract</i>
A site interface configured for receiving a packet which has a first site IP address as source address and a second site IP address as destination address; and	<i>Col 2, In 8 - 49</i>
A packet path selector which selects, within the controller on a per-packet basis, between a path through an Internet-based network and a path through a private network that is not Internet-based;	<i>Col 2, In 8 - 49; Col 3, In 1 - 18</i>
When the controller receives a packet through the site interface and sends the packet through the network interface that was selected by the packet path selector.	<i>Col 28, In 35 - 52</i>

Uncombined References

020010866 Combined with US6647008

m 1 ('048)	US20020010866	US6647008
controller which controls access to multiple independent disparate networks in a parallel network configuration, the disparate networks comprising at least one private network and at least one network based on the Internet, the controller comprising:	<i>Abstract; Para [0126] - [0127]</i>	
interface connecting the controller to a site;	<i>Para [0047]</i>	
at least two network interfaces which send packets toward the disparate networks; and	<i>Para [0047]</i>	<i>Col 6, ln 43 - 58</i>
packet path selector which selects between network interfaces, using at least two known location address ranges which are respectively associated with disparate networks, according to at least: a destination of the packet, an optional presence of alternate paths to that destination, and at least one specified criterion for selecting between alternate paths when such alternate paths are present;	<i>Para [0047]</i>	<i>Col 6, ln 43 - 58</i>
when the controller receives a packet through the site interface and sends the packet through the network interface that was selected by the packet path selector.	<i>Para [0126] - [0127]</i>	

News, Kimetal., Weinstein

m 1 ('048)	ISDN News	Kim et al.	Weinstein
controller which controls access to multiple independent disparate networks in a parallel network configuration, the disparate networks comprising at least one private network and at least one network based on the Internet, the controller comprising:	<i>pg. 1</i>	<i>pg. 317, col. 2 to pg. 318, col. 2; pg. 321, col. 1</i>	
interface connecting the controller to a site;	<i>pg. 1</i>	<i>pg. 321, col. 1</i>	
at least two network interfaces which send packets toward the disparate networks; and	<i>pg. 1</i>	<i>pg. 321, col. 1</i>	
packet path selector which selects between network interfaces, using at least two known location address ranges which are respectively associated with disparate networks, according to at least: a destination of the packet, an optional presence of alternate paths to that destination, and at least one specified criterion for selecting between alternate paths when such alternate paths are present;		<i>pg. 317, col. 2 to pg. 318, col. 2</i>	<i>pg. 2 to pg. 3</i>
when the controller receives a packet through the site interface and sends the packet through the network interface that was selected by the packet path selector.	<i>pg. 1</i>	<i>pg. 317, col. 2 to pg. 318, col. 2; pg. 321, col. 1</i>	

24964 Combined with US6747964, US7224964

m 4 ('235)	US6747964	US7224964
controller which controls access to multiple networks in a parallel network configuration, suitable networks comprising Internet-based networks and private networks from at least one more provider, in combination, the controller comprising:	<i>Abstract</i>	<i>Abstract</i>
interface connecting the controller to a site;		<i>Col 4, ln 30 - 48</i>
at least two network interfaces which send packets toward the networks; and	<i>Col 1, ln 48 - 61</i>	<i>Col 4, ln 30 - 48</i>

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24964 Combined with US6747964, US7224964

m 4 ('235)	US6747964	US7224964
packet path selector which selects between network interfaces on a per-packet basis according to at least: a destination of the packet, an optional presence of alternate paths to that destination, and at least one specified criterion for selecting between alternate paths when such alternate paths are present;	<i>Col 4, ln 44 - col 5, ln 8</i>	
when the controller receives a packet through the site interface and sends the packet through the network interface that was selected by the packet path selector.	<i>Col 4, ln 44 - col 5, ln 8</i>	

News, Kimetal., Weinstein

m 4 ('235)	ISDN News	Kim et al.	Weinstein
controller which controls access to multiple networks in a parallel network configuration, multiple networks comprising Internet-based networks and private networks from at least one provider, in combination, the controller comprising:	<i>pg. 1</i>	<i>pg. 317, col. 2 to pg. 318, col. 2; pg. 321, col. 1</i>	
an interface connecting the controller to a site;	<i>pg. 1</i>	<i>pg. 321, col. 1</i>	
at least two network interfaces which send packets toward the networks; and	<i>pg. 1</i>	<i>pg. 321, col. 1</i>	
a packet path selector which selects between network interfaces on a per-packet basis according to at least: a destination of the packet, an optional presence of alternate paths to that destination, and at least one specified criterion for selecting between alternate paths when such alternate paths are present;		<i>pg. 317, col. 2 to pg. 318, col. 2</i>	<i>pg. 2 to pg. 3</i>
when the controller receives a packet through the site interface and sends the packet through the network interface that was selected by the packet path selector.	<i>pg. 1</i>	<i>pg. 317, col. 2 to pg. 318, col. 2; pg. 321, col. 1</i>	

72127 Combined with US6611872

m 5 ('235)	US6272127	US6611872
a method for combining connections for access to multiple parallel disparate networks, the method comprising the steps of:	<i>Abstract; Col 2, ln 8 - 49</i>	
identifying at least two known location address ranges which have associated networks;	<i>Col 6, ln 18 - 33</i>	
providing topology information which specifies associated networks that provide, working, connectivity between a current location and at least one destination location;	<i>Col 50, ln 35 - 52</i>	
providing at the current location a packet which identifies a particular destination location by specifying a destination address for the destination location;		<i>Col 5, ln 49 - 62</i>
determining whether the destination address lies within a known location address range;		<i>Col 5, ln 49 - 62</i>
selecting a network path from among paths to disparate associated networks, the networks being in parallel at the current location, each of said networks identified in the topology information as capable of providing connectivity between the current location and the destination location;	<i>Col 3, ln 1 - 18</i>	<i>Col 5, ln 49 - 62</i>
forwarding the packet on the selected network path.		

stein Combined with Kimetal., Weinstein

m 5 ('235)	Kim et al.	Weinstein
Method for combining connections for access to multiple parallel disparate networks, the method comprising the steps of:	<i>pg. 317, col. 2 to pg. 318, col. 2; pg. 321, col. 1</i>	
Routing at least two known location address ranges which have associated networks;		<i>pg. 2 to pg. 3</i>
Routing topology information which specifies associated networks that provide, working, connectivity between a current location and at least one destination location;		<i>pg. 2 to pg. 3</i>
Routing at the current location a packet which identifies a particular destination location by specifying a destination address for the destination location;		<i>pg. 2 to pg. 3</i>
Determining whether the destination address lies within a known location address range;		<i>pg. 2 to pg. 3</i>
Routing a network path from among paths to disparate associated networks, each of said networks being in parallel at the current location, each of said networks identified in the topology information as capable of providing connectivity between the current location and the destination location;	<i>pg. 317, col. 2 to pg. 318, col. 2</i>	<i>pg. 2 to pg. 3</i>
Routing the packet on the selected network path.	<i>pg. 317, col. 2 to pg. 318, col. 2</i>	

47008 Combined with US6272127

m 7 ('048)	US6647008	US6272127
Method for combining connections for access to disparate parallel networks, method comprising the steps of:	<i>Abstract</i>	<i>Col 3, ln 1 - 18</i>
Routing at a controller a packet which has a first site IP address as source address and a second site IP address as destination address;	<i>Col 7, ln 50 - 64</i>	
Routing, within the controller on a per-packet basis, between a path through an Internet-based network and a path through a private network that is not Internet-based; and	<i>Col 4, ln 60 - col 5, ln 15</i>	
Routing the packet along the selected path toward the second site.		<i>Col 3, ln 1 - 18</i>

stein Combined with Kimetal., Weinstein

m 7 ('048)	Kim et al.	Weinstein
Method for combining connections for access to disparate parallel networks, method comprising the steps of:	<i>pg. 317, col. 2 to pg. 318, col. 2; pg. 321, col. 1</i>	
Routing at a controller a packet which has a first site IP address as source address and a second site IP address as destination address;		<i>pg. 2 to pg. 3</i>
Routing, within the controller on a per-packet basis, between a path through an Internet-based network and a path through a private network that is not Internet-based; and	<i>pg. 317, col. 2 to pg. 318, col. 2</i>	<i>pg. 2 to pg. 3</i>
Routing the packet along the selected path toward the second site.	<i>pg. 317, col. 2 to pg. 318, col. 2</i>	

stein Combined with Kimetal., Weinstein

m 13 ('048)	Kim et al.	Weinstein
Method for controlling access to multiple independent disparate networks in a network configuration, the disparate networks comprising at least one Internet network and at least one network based on the Internet, the method comprising the steps of:	<i>pg. 317, col. 2 to pg. 318, col. 2; pg. 321, col. 1</i>	
Routing a packet through a site interface that connects a controller to a site;	<i>pg. 321, col. 1</i>	
Routing between at least two network interfaces of the controller which use at least two known location address ranges which are respectively associated with disparate networks, according to at least: a destination of the packet, an	<i>pg. 317, col. 2 to pg. 318, col. 2</i>	<i>pg. 2 to pg. 3</i>

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