

722 Patent Claims 1-13 Concordance to Claims 14-19

Claims 1-6	Concordance to Claims 14-19
[1.0] A method comprising:	[14.0] A method comprising:
[1.1] receiving, using a processing device, an update message from an input source, the update message identifying a live object and containing data for updating a property of the live object;	[14.3] sending, using the processing device of the input source, an update message to the routing network, wherein the update message identifies the live object and contains update data that updates a property of the live object,
[1.2] identifying a category of the update message based on the input source;	[14.4] wherein a gateway device at the routing network is configured to identify a category of the update message based on the input source , to determine a node type to which the identified category maps, and to route the update message to the node, having the node type, at the routing network,
[1.3] determining a node having a node type to which the update message is to be routed based on a mapping of categories of update messages to node types, <u>the mapping controlling an amount of update message traffic through nodes of a routing network</u> ;	[14.4] wherein a gateway device at the routing network is configured to identify a category of the update message based on the input source, to determine a node type to which the identified category maps , and to route the update message to the node, having the node type, at the routing network,
[1.4] routing, using the processing device, the update message to the node having the determined node type;	[14.4] wherein a gateway device at the routing network is configured to identify a category of the update message based on the input source, to determine a node type to which the identified category maps, and to route the update message to the node, having the node type, at the routing network,

Claims 1-6	Concordance to Claims 14-19
[1.5] causing the node, through the update message, to determine a client, different from the input source, that has registered for updates of the live object;	[14.1] providing, using a processing device of an input source, a data representation to a client device, different from the input source, coupled to a routing network, wherein the data representation includes at least one live object recognizable by the client device, and [14.2] causing the client device to respond to the live object of the data representation by determining an object identifier (ID) of the live object and to register for updates of the live object with the routing network, such that registering the client device with the routing network provides client connection information to a node in the routing network; and [14.5] wherein the node is configured to identify the client device as a registered device and to route the update message to the client device, and
[1.6] causing the node to route the update message from the node to the client; and	[14.5] wherein the node is configured to identify the client device as a registered device and to route the update message to the client device, and
[1.7] causing the client to process the update message and to update the property of the live object.	[14.6] wherein the client device processes the update message upon receipt to update the property of the live object at the client device.
[2.0] The method of claim 1, further comprising: causing the node to extract an	[14.2] causing the client device to respond to the live object of the data

Claims 1-6	Concordance to Claims 14-19
object identifier (ID) from the update message, to establish a connection with the client, <u>and to determine if the client has registered for updates of the live object based on the object ID.</u>	representation by determining an object identifier (ID) of the live object and to register for updates of the live object with the routing network, such that registering the client device with the routing network provides client connection information to a node in the routing network; and
[3.0] The method of claim 2, further comprising: [3.1] causing the node to determine at least one client proxy with which the client communicates; [3.2] causing the node to route the update message to the client proxy; and [3.3] causing the client proxy to route the update message to the client to determine the connection.	[14.2] causing the client device to respond to the live object of the data representation by determining an object identifier (ID) of the live object and to register for updates of the live object with the routing network, such that registering the client device with the routing network provides client connection information to a node in the routing network; and [14.5] wherein the node is configured to identify the client device as a registered device and to route the update message to the client device, and [15.0] The method of claim 14, wherein providing the data representation to the client device includes providing the live object that causes the client device to register with a client proxy of the routing network.
[4.0] The method of claim 3, further comprising causing the node to maintain client registration information concerning the client connection.	[14.2] causing the client device to respond to the live object of the data representation by determining an object identifier (ID) of the live object and to register for updates of the live object

Claims 1-6	Concordance to Claims 14-19
[5.0] The method of claim 3, further comprising causing the node to maintain client registration information concerning the client connection at the client proxy.	with the routing network, such that registering the client device with the routing network provides client connection information to a node in the routing network; and [15.0] The method of claim 14, wherein providing the data representation to the client device includes providing the live object that causes the client device to register with a client proxy of the routing network.
[6.0] <u>The method of claim 1, wherein the property of the live object has a direct effect on a visual representation of the live object in a data representation, has an effect on an internal aspect of the live object and has no effect on the visual representation of the live object in the data representation, or has a direct effect on one aspect of the visual representation of the live object in the data representation and has no effect on other aspect of the visual representation of the live object in the data representation.</u>	N/A

Claims 7-13	Concordance to Claims 14-19
[7.0] A routing network comprising:	[14.0] A method comprising ... [14.1] ... a routing network ...
[7.1] a gateway device configured to: [7.2] receive an update message from an input source, the update message identifying a live object and containing data for updating a property of the live object, [7.3] identify a category of the update message based on the input source; [7.4] determine a node having a node type to which the update message is to be routed based on a mapping of a categories of update messages to node types, <u>the mapping controlling an amount of update message traffic through nodes of a routing network</u>; and route the update message; and	[14.4] wherein a gateway device at the routing network is configured to identify a category of the update message based on the input source, to determine a node type to which the identified category maps, and to route the update message to the node, having the node type, at the routing network, [14.3] sending, using the processing device of the input source, an update message to the routing network, wherein the update message identifies the live object and contains update data that updates a property of the live object,
[7.5] the node configured to: [7.6] receive the update message from the gateway device, <u>wherein the node is configured to be mapped to the node type,</u> [7.7] determine a client, different from the input source, that has registered for updates of the live object, and [7.8] route the update message from the node to the client, wherein the client is adapted to process the update message and to update the property of the live object.	[14.2] causing the client device to respond to the live object of the data representation by determining an object identifier (ID) of the live object and to register for updates of the live object with the routing network, such that registering the client device with the routing network provides client connection information to a node in the routing network; and [14.5] wherein the node is configured to identify the client device as a registered device and to route the

Claims 7-13	Concordance to Claims 14-19
	update message to the client device, and [14.6] wherein the client device processes the update message upon receipt to update the property of the live object at the client device.
[8.0] The routing network of claim 7, wherein the node is configured to extract an object identifier (ID) from the update message and to determine a connection to the client to route the data to the client.	[14.2] causing the client device to respond to the live object of the data representation by determining an object identifier (ID) of the live object and to register for updates of the live object with the routing network, such that registering the client device with the routing network provides client connection information to a node in the routing network; and
[9.0] The routing network of claim 8, wherein [9.1] the node is configured to determine the connection by determining at least one client proxy with which the client communicates and [9.2] to route the update message to the client proxy.	[14.2] causing the client device to respond to the live object of the data representation by determining an object identifier (ID) of the live object and to register for updates of the live object with the routing network, such that registering the client device with the routing network provides client connection information to a node in the routing network; and [15.0] The method of claim 14, wherein providing the data representation to the client device includes providing the live object that causes the client device to register with a client proxy of the routing network.

Claims 7-13	Concordance to Claims 14-19
[10.0] The routing network of claim 9, wherein client registration information concerning the client connection is configured to <u>be maintained at the node</u> .	[14.2] causing the client device to respond to the live object of the data representation by determining an object identifier (ID) of the live object and to register for updates of the live object with the routing network, such that registering the client device with the routing network provides client connection information to a node in the routing network; and
[11.0] The routing network of claim 9, wherein client registration information concerning the client connection is configured to <u>be maintained at the client proxy</u> .	[15.0] The method of claim 14, wherein providing the data representation to the client device includes providing the live object that causes the client device to register with a client proxy of the routing network.
[12.0] The routing network of claim 7, wherein: [12.1] the gateway device is configured to route the update message to the node adapted to receive messages of more than one message category, and [12.2] the node is configured to determine a connection with at least one client proxy with which the client communicates and to route the data to the client proxy. [13.0] The routing network of claim 7, wherein the node type is configured to identify the node that receives the update message from the gateway device.	[14.4] wherein a gateway device at the routing network is configured to identify a category of the update message based on the input source, to determine a node type to which the identified category maps, and to route the update message to the node, having the node type, at the routing network, [15.0] The method of claim 14, wherein providing the data representation to the client device includes providing the live object that causes the client device to register with a client proxy of the routing network.