

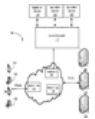
Assignee: "Orckit IP"; Country: US, WO; Status: GRANT;

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Method and system for deep packet inspection in software defined networks

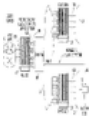


WO EP US • [US10652111B2](#) • Yossi Barsheshet • Orckit Ip, Llc

Priority 2014-04-22 • Filed 2015-04-21 • Granted 2020-05-12 • Published 2020-05-12

A method for deep packet inspection (DPI) in a software defined network (SDN). The method includes configuring a plurality of network nodes operable in the SDN with at least one probe instruction; receiving from a network node a first packet of a flow, the first packet matches the at least one ...

Edge optimized transrating system



US • [US11432028B2](#) • Eliezer Aloni • Orckit Ip, Llc

Priority 2008-12-02 • Filed 2021-01-07 • Granted 2022-08-30 • Published 2022-08-30

A system and method for bandwidth management by controlling the bit rate of a signal stream in real time according to available link bandwidth. Applications include multiple-channel video data streams over a limited-bandwidth link such as a Digital Subscriber Line. A video signal is transrated at ...

Tunnel provisioning with link aggregation



US • [US9590899B2](#) • Ronen Solomon • Orckit Ip, Llc

Priority 2005-05-06 • Filed 2015-08-25 • Granted 2017-03-07 • Published 2017-03-07

A method for processing data packets in a communication network includes establishing a path for a flow of the data packets through the communication network. At a node along the path having a plurality of aggregated ports, a port is selected from among the plurality to serve as part of the path.

Method for supporting SNCP over packet network

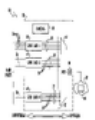


WO EP US • [US11870487B2](#) • Daniel Cohn • Orckit Ip, Llc

Priority 2011-04-15 • Filed 2022-10-03 • Granted 2024-01-09 • Published 2024-01-09

RELATED APPLICATION This application is a Continuation of U.S. application Ser. No. 15/663,763, filed Jul. 30, 2017, which is a Continuation of U.S. application Ser. No. 14/878,405, filed Oct. 8, 2015 (U.S. Pat. No. 9,735,864, issued Aug. 15, 2017), which is a Divisional of U.S. application Ser.

Two-way link aggregation



WO EP US JP • [US7545740B2](#) • David Zelig • Corrigent Systems Ltd.

Priority 2006-04-07 • Filed 2006-04-07 • Granted 2009-06-09 • Published 2009-06-09

A method for communication includes coupling a network node to one or more interface modules using a first group of first physical links arranged in parallel. Each of the one or more interface modules is coupled to a communication network using a second group of second physical links arranged in ...

Connectivity fault management (CFM) in networks with link aggregation group ...

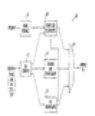


WO EP US JP KR • [US7768928B2](#) • Rafi Harel • Corrigent Systems Ltd.

Priority 2006-07-11 • Filed 2006-07-11 • Granted 2010-08-03 • Published 2010-08-03

A maintenance entity for an Ethernet Connectivity Fault Management (CFM) domain. The maintenance entity comprises a port definer module and a connection which is connected to a group of aggregated link. The port definer module examines a designated link of the group by forwarding CFM messages via ...

Efficient transport of TDM services over packet networks

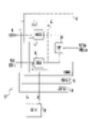


US • [US7961755B2](#) • Rafi Harel • Corrigent Systems Ltd.

Priority 2003-03-24 • Filed 2009-03-16 • Granted 2011-06-14 • Published 2011-06-14

A method for data communications includes receiving a time-division-multiplexed (TDM) input signal carrying a payload comprising data and determining whether the data comprise synchronous or non-synchronous data. A first encapsulation scheme is selected if the data comprise synchronous data, and a ...

MAC address learning in a distributed bridge



WO EP US JP KR • [US7593400B2](#) • David Zelig • Corrigent Systems Ltd.

Priority 2006-05-19 • Filed 2006-05-19 • Granted 2009-09-22 • Published 2009-09-22

A method for communication includes configuring a network node having at least first and second line cards, the line cards having respective ports, to operate as a distributed media access control (MAC) bridge in a Layer 2 network. Each of the line cards has a respective forwarding database (FDB). ...

Hash-based multi-homing

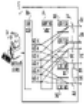


WO EP US JP KR • [US7626930B2](#) • Gideon Agmon • Corrigent Systems Ltd.

Priority 2006-11-13 • Filed 2007-07-16 • Granted 2009-12-01 • Published 2009-12-01

A method for communication between first and second nodes via a communication network includes assigning multiple communication ports in two or more network nodes between the first and second nodes to serve as member ports of a multi-homing group (MHG). Each of the member ports is associated with ...

Forwarding multicast traffic over link aggregation ports



WO EP US JP KR • [US7697525B2](#) • David Zelig • Corrigent Systems Ltd.

Priority 2006-12-21 • Filed 2006-12-21 • Granted 2010-04-13 • Published 2010-04-13

A network node in a communication network includes a plurality of ports, at least a subset of which is grouped in a link aggregation (LAG) group. The node includes packet processing logic, which is coupled to receive data packets having respective destination addresses that specify forwarding the ...

Protecting the filtering database in virtual bridges

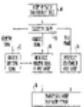


US • [US7773508B2](#) • Uzi Khill • Corrigent Systems Ltd.

Priority 2002-02-01 • Filed 2006-11-09 • Granted 2010-08-10 • Published 2010-08-10

A method for budgeted learning of link information in a network includes providing a database to contain the link information, for use by an entity connected to the network in transferring traffic over the network, and setting a maximum rate for addition of entries to the database. New entries to ...

Transparent transport of fibre channel traffic over packet-switched networks



WO EP US JP • [US7515536B2](#) • Moran Roth • Corrigent Systems Ltd.

Priority 2005-07-11 • Filed 2006-06-29 • Granted 2009-04-07 • Published 2009-04-07

A method for transporting fibre channel (FC) traffic over a packet-switched communication network includes identifying a sub-sequence of repetitive FC signals in a first sequence of FC words accepted over a FC link from a source FC device. The first sequence of FC words is translated into a second ...

High capacity ring communication network

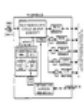


US • [US7808931B2](#) • David Zelig • Corrigent Systems Ltd.

Priority 2006-03-02 • Filed 2006-03-02 • Granted 2010-10-05 • Published 2010-10-05

FIELD OF THE INVENTION The present invention relates generally to communication networks, and particularly to methods and systems for providing high network capacity using link aggregation over multiple rings. BACKGROUND OF THE INVENTION Communication networks sometimes employ ring configurations.

Device, method and system for media packet distribution



WO EP US • [US9185151B2](#) • Leon Bruckman • Orckit-Corrigent Ltd.

Priority 2007-10-16 • Filed 2008-10-22 • Granted 2015-11-10 • Published 2015-11-10

There is provided a method device and system for streaming media content to a media presentation appliance. There may be provided an appliance specific media stream generator adapted to derive an appliance specific stream from a multicast media stream. The generator may convert a multicast media ...

Point-to-multipoint functionality in a bridged network

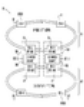


WO EP US JP KR • [US7660303B2](#) • Ronen Solomon • Corrigent Systems Ltd.

Priority 2006-08-22 • Filed 2006-08-22 • Granted 2010-02-09 • Published 2010-02-09

A method for communication includes coupling a group of switches in a Layer-2 bridged network. The interfaces of the switches are configured so that at least one interface of at least one of the switches is configured as a first interface type, and a plurality of other interfaces are configured as ...

Prevention of frame duplication in interconnected ring networks

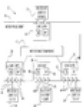


WO US • [US7876673B2](#) • Rafi Ram • Corrigent Systems Ltd.

Priority 2007-03-08 • Filed 2008-03-07 • Granted 2011-01-25 • Published 2011-01-25

A method for communication includes, in a communication network that includes multiple ring nodes arranged in at least first and second ring networks that are connected by two or more of the ring nodes serving as interconnect nodes, accepting at the two or more interconnect nodes respective copies ...

High-speed processing of multicast content requests

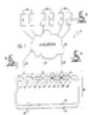


WO US • [US8014394B2](#) • Rafi Ram • Corrigent Systems Ltd

Priority 2009-02-11 • Filed 2009-02-11 • Granted 2011-09-06 • Published 2011-09-06

A method for communication includes operating a network element, which includes multiple ports and multiple interconnected processing units, such that each processing unit is assigned to process packets that are communicated over a respective set of one or more of the ports. Each processing unit ...

VPLS failure protection in ring networks

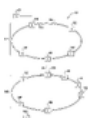


WO EP US JP • [US7983150B2](#) • Leon Bruckman • Corrigent Systems Ltd.

Priority 2006-01-18 • Filed 2006-01-18 • Granted 2011-07-19 • Published 2011-07-19

A method for communication over a bi-directional ring network includes provisioning a virtual private local area network service (VPLS) over the bi-directional ring network. The VPLS includes connection termination points provisioned respectively on a plurality of the nodes so as to connect each ...

MAC address scalability in interconnected rings

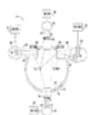


WO US • [US7697552B2](#) • Leon Bruckman • Corrigent Systems Ltd.

Priority 2006-11-06 • Filed 2007-06-18 • Granted 2010-04-13 • Published 2010-04-13

A method for communication is used in a communication network that includes multiple ring nodes arranged in at least first and second ring networks, which are connected by one or more of the ring nodes serving as interconnect nodes. A data packet is accepted from a source user node served by the ...

VPLS remote failure indication



WO EP US JP • [US8199637B2](#) • Leon Bruckman • Orckit Corrigent, Ltd.

Priority 2005-11-16 • Filed 2006-11-07 • Granted 2012-06-12 • Published 2012-06-12

A method for handling communication failures in a network, which includes provisioning first and second multipoint-to-multipoint communication services over respective first and second alternative sets of links that connect the endpoints in a network. Each of the sets connects network nodes which ...

Method for supporting MPLS transport path recovery with multiple protection ...

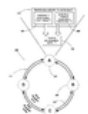


WO US GB • [US8830821B2](#) • Daniel Cohn • Orckit-Corrigent Ltd.

Priority 2011-06-22 • Filed 2011-12-05 • Granted 2014-09-09 • Published 2014-09-09

A system and method for selecting MPLS network transport entities between a first endpoint and a second endpoint are presented. Working and protection entities are selected from a set of available entities based upon minimizing the probability of simultaneous failure and/or minimizing a cost ...

Ring network aggregate rates

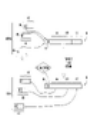


US • [US7916636B2](#) • Eyal Prashker • Corrigent Systems Ltd.

Priority 2009-01-05 • Filed 2009-01-05 • Granted 2011-03-29 • Published 2011-03-29

A functionality and method for determining aggregate data transit bandwidth requirements for the nodes of an Ethernet ring network for traffic management and to improve the operation, efficiency, and Quality of Service. An aggregate bandwidth database is produced, based on a priori knowledge of ...

Frame concatenation with drop precedence assignment



WO EP US • [US7697532B2](#) • Rafi Ram • Corrigent Systems Ltd.

Priority 2007-02-08 • Filed 2007-02-08 • Granted 2010-04-13 • Published 2010-04-13

A method for communication includes encapsulating multiple data packets, which carry data and have respective drop precedence (DP) values selected from a range of possible DP values, to produce a concatenated frame of a transport protocol. A composite drop precedence (CDP) value is assigned from ...

Fault-tolerant medium access control (MAC) address assignment in network ...

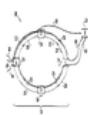


WO EP US JP KR • [US7660234B2](#) • Shmuel Ilan • Corrigent Systems Ltd.

Priority 2006-09-22 • Filed 2006-09-22 • Granted 2010-02-09 • Published 2010-02-09

A network element includes a backplane, which includes a backplane memory holding first medium access control (MAC) address values. The network element further includes multiple tributary modules coupled to the backplane, which include network interfaces that are configured to communicate over ...

Route selection with bandwidth sharing optimization over rings



WO EP US JP • [US7596088B2](#) • Gideon Agmon • Corrigent Systems Ltd.

Priority 2006-01-24 • Filed 2006-01-24 • Granted 2009-09-29 • Published 2009-09-29

A method for establishing a connection through a communication network that includes multiple segments includes providing a sharing definition defining a sharing of bandwidth among connections in the network. Two or more candidate routes for a new connection to be established through the network ...

Bi-directional chaining of network access ports

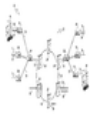


EP US • [US6680904B1](#) • Menachem Kaplan • Orckit Communications Ltd.

Priority 1999-12-27 • Filed 1999-12-27 • Granted 2004-01-20 • Published 2004-01-20

Network access apparatus includes first and second master units, each having a physical interface to a packet-switched network. A plurality of slave units, each slave unit having one or more ports to respective subscriber lines, are linked by a plurality of physical interface lines in one or more ...

Virtual private LAN service over ring networks



US • [US7974223B2](#) • David Zelig • Corrigent Systems Ltd.

Priority 2004-11-19 • Filed 2004-11-19 • Granted 2011-07-05 • Published 2011-07-05

A method for communication via a ring network that includes a plurality of nodes. The method includes receiving at a first node in the ring network a data packet transmitted over a virtual private LAN service (VPLS), the data packet including an identification of the VPLS. The first node reads the ...

Bandwidth allocation for link aggregation

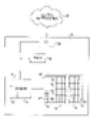


US • [US7336605B2](#) • Leon Bruckman • Corrigent Systems, Inc.

Priority 2003-05-13 • Filed 2003-05-13 • Granted 2008-02-26 • Published 2008-02-26

A method for establishing a connection with a guaranteed bandwidth for transmitting data over a logical link that includes a plurality of parallel physical links between first and second endpoints. A link bandwidth is allocated on each of the physical communication links so as to include a ...

Performance monitoring of high speed communications networks



US • [US7142516B2](#) • Kobi Lev • Corrigent Systems Ltd

Priority 2002-04-24 • Filed 2002-04-24 • Granted 2006-11-28 • Published 2006-11-28

A performance monitoring system for a digital network is installed in network elements having performance monitoring responsibilities. Apparatus is provided for network elements, in which a bitmap representation of performance primitives detected during an acquisition interval is used as a control ...

Hierarchical virtual private LAN service protection scheme



US • [US7283465B2](#) • David Zelig • Corrigent Systems Ltd.

Priority 2003-01-07 • Filed 2003-01-07 • Granted 2007-10-16 • Published 2007-10-16

A data communication network includes a plurality of primary virtual bridges, interconnected by primary virtual connections so as to transmit and receive data packets over the network to and from edge devices connected thereto. One or more backup virtual bridges, each associated with at least one ...

Virtual private LAN service using a multicast protocol

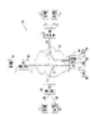


US • [US7339929B2](#) • David Zelig • Corrigent Systems Ltd.

Priority 2002-08-23 • Filed 2002-08-23 • Granted 2008-03-04 • Published 2008-03-04

A method for data broadcast over a network includes receiving at a virtual bridge a data packet to be flooded over the network, and passing the data packet from the virtual bridge to a multicast-capable router, along with a broadcast indication. Responsive to the broadcast indication, the router ...

Multiprotocol media conversion

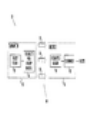


US • [US7386010B2](#) • Ronen Solomon • Corrigent Systems Ltd

Priority 2003-06-13 • Filed 2003-06-13 • Granted 2008-06-10 • Published 2008-06-10

A method for data communications includes linking a plurality of edge devices to communicate with a remote network device via a network in accordance with a packet-oriented Layer 2 communication protocol. At each of the plurality of edge devices, incoming data frames are received from client nodes ...

Packet fragmentation with nested interruptions

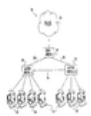


US • [US6876669B2](#) • Rafi Shalom • Corrigent Systems Ltd.

Priority 2001-01-08 • Filed 2001-01-08 • Granted 2005-04-05 • Published 2005-04-05

A method for transmitting data over a channel includes receiving a first datagram for transmission at a first priority, and receiving a second datagram for transmission at a second priority, higher than the first priority, before the transmission of the first datagram is completed. The first ...

Fast failure protection using redundant network edge ports



US • [US6917986B2](#) • Gal Mor • Corrigent Systems Ltd.

Priority 2002-01-07 • Filed 2002-01-07 • Granted 2005-07-12 • Published 2005-07-12

A method for fast protection in a fault-tolerant network includes coupling an edge switch in a network to one or more access switches via at least first and second redundant links, respectively connected to first and second ports of the edge switch. The first port is placed in an active state, ...

Resource reservation in a ring network

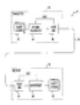


US • [US6963537B2](#) • Gal Mor • Corrigent Systems Ltd.

Priority 2000-07-27 • Filed 2001-02-26 • Granted 2005-11-08 • Published 2005-11-08

A method for routing a data flow from a source node to a destination node among a plurality of nodes mutually linked in a ring by segments of a communication network, configured so that the data flow can traverse the ring in either of first and second, mutually-opposing directions of communication ...

Dynamic packet fragmentation

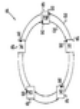


US • [US6891855B2](#) • Leon Bruckman • Corrigent Systems, Ltd.

Priority 2000-07-27 • Filed 2001-01-08 • Granted 2005-05-10 • Published 2005-05-10

A method and apparatus for transmitting data over a channel having a variable transmission rate. A transmitter determines the rate of transmission of the data over the channel and receives a datagram for transmission over the channel at the determined rate of transmission. The transmitter divides ...

Communication in a bidirectional ring network with single-direction receiving



US • [US6952397B2](#) • Gal Mor • Corrigent Systems Ltd.

Priority 2001-06-07 • Filed 2001-06-07 • Granted 2005-10-04 • Published 2005-10-04

A communication network includes a communication medium and a plurality of communication nodes, mutually coupled by the communication medium so as to form a ring, over which each of the nodes is configured to transmit traffic to the other nodes in both clockwise and counterclockwise directions ...

Traffic engineering in bi-directional ring networks

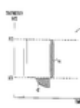


US • [US7283478B2](#) • Yossi Barsheshet • Corrigent Systems Ltd.

Priority 2001-11-28 • Filed 2002-08-02 • Granted 2007-10-16 • Published 2007-10-16

A method for traffic engineering in a communication system made up of network nodes arranged in multiple interconnected networks, including at least one bi-directional ring network having an inner ring and an outer ring. The bi-directional ring network is defined as a multi-access network for ...

Rate control in transmission of packet data over an ATM network

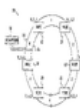


US • [US6785232B1](#) • Yoav Kotser • Orckit Communications Ltd.

Priority 2000-11-27 • Filed 2000-11-27 • Granted 2004-08-31 • Published 2004-08-31

A method for controlling data transmission over a network includes receiving a succession of data packets from a packet input at a potentially variable input rate, each packet in the succession potentially having a respective, non-uniform packet size. For each of the packets in the succession, the ...

Flow allocation in a ring topology



US • [US7035279B2](#) • Leon Bruckman • Corrigent Systems Ltd.

Priority 2001-01-09 • Filed 2001-01-09 • Granted 2006-04-25 • Published 2006-04-25

In a communication network that includes a plurality of nodes interconnected by links, a method for routing a data flow includes receiving a request to allocate one or more resources in the network so as to carry the data flow between first and second ones of the nodes over one of a plurality of ...

Layer-3 network routing with RPR layer-2 visibility



US • [US7551599B2](#) • Alex Levit • Corrigent Systems Ltd.

Priority 2004-03-29 • Filed 2004-03-29 • Granted 2009-06-23 • Published 2009-06-23

Routing tables of OSI layer-3 network elements are modified in order to enable entry to a RPR subnet at different entry points. This enables virtual tunnels or routing paths to utilize all existing entry links to the RPR subnet and to minimize cost factors, such as the number of RPR spans required ...

Latency evaluation in a ring network

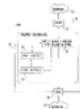


US • [US7113485B2](#) • Leon Bruckman • Corrigent Systems Ltd.

Priority 2001-09-04 • Filed 2001-09-04 • Granted 2006-09-26 • Published 2006-09-26

A method for measuring latency in a bi-directional ring network includes transmitting a latency measurement packet from an originating node to a peer node and noting a time of receipt of the packet at the peer node. The packet is then transmitted back to the originating node in the opposite ...

Spanning tree protocol traffic in a transparent LAN



US • [US7127523B2](#) • Yoav Kotser • Corrigent Systems Ltd.

Priority 2001-07-27 • Filed 2002-01-25 • Granted 2006-10-24 • Published 2006-10-24

A method for controlling a system of label-switched tunnels through a communication network, the method including pushing a signaling label onto a signaling frame at a first node in the network, and sending the signaling frame through the label-switched tunnels to one or more recipient nodes in ...

Avoiding overlapping segments in transparent LAN services on ring-based ...



US • [US7145878B2](#) • Shachar Katz • Corrigent Systems Ltd.

Priority 2001-07-27 • Filed 2002-01-25 • Granted 2006-12-05 • Published 2006-12-05

A method for eliminating loops in a communication network in which the nodes operate as virtual bridges, having virtual ports that link the virtual bridges over virtual connections, each of the virtual connections coinciding respectively with one or more segments of the network. Respective port ...

Method and apparatus for filtering asymmetric digital subscriber line (ADSL) ...

EP US • US6813343B1 • Roman Vitenberg • Orckitt Communications Ltd.

Priority 1999-05-12 • Filed 1999-05-12 • Granted 2004-11-02 • Published 2004-11-02

A method and apparatus for selectively filtering signals on a digital subscriber line (DSL) so as to prevent interference resulting from a telephone instrument switching between its on-hook and off-hook states. One embodiment of the invention utilizes an off-hook detector controlling a variable ...

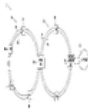


Interconnect and gateway protection in bidirectional ring networks

US • US7054264B2 • Gal Mor • Corrigent Systems Ltd.

Priority 2001-07-24 • Filed 2001-07-24 • Granted 2006-05-30 • Published 2006-05-30

A communication device for interconnection of first and second networks, of which at least the first network is a bidirectional ring network, includes first and second interconnect modules, each such module adapted to receive outgoing data traffic on the first network at a data rate not ...

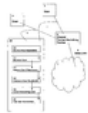


Bandwidth sharing method

US • US6687224B1 • Dan Ater • Orckit Communications, Ltd.

Priority 2000-02-28 • Filed 2000-02-28 • Granted 2004-02-03 • Published 2004-02-03

A bandwidth sharing method for use on respective interstitial connections between on one side a plurality of users and on the other side a common data-link having a shared packet switching device, the method including performing the steps of: monitoring data-link directed bandwidth from each user;



Automatic implementation of network configuration changes

US • US6894983B1 • Yaron Lederman • Orckit Communications Ltd.

Priority 2000-08-11 • Filed 2000-08-11 • Granted 2005-05-17 • Published 2005-05-17

A method for network management includes sending a trap message from a network end switch to client premises equipment (CPE) over a network connection therebetween, informing the CPE of a change in a network management information base (MIB) of the end switch. A request from the CPE to the end ...



Automated weight calculation for packet networks

US • US7418000B2 • Leon Bruckman • Corrigent Systems Ltd.

Priority 2004-06-03 • Filed 2004-06-03 • Granted 2008-08-26 • Published 2008-08-26

A method for communication includes setting respective overbooking ratios for multiple categories of data traffic, and assigning respective bandwidth allocations to a plurality of connections for transmitting the data traffic in one or more of the categories over a network. The data traffic from ...



Network interface auto-configuration in an access multiplexing system

EP US • US6731607B1 • Sharon Mantin • Orckit Communications Ltd.

Priority 2000-08-01 • Filed 2000-08-01 • Granted 2004-05-04 • Published 2004-05-04

Multiplexing apparatus for providing access to a high-speed network over a plurality of subscriber lines. One or more line cards include ports to the subscriber lines, at least one of the line cards including a volatile memory for storing backup configuration parameters of the apparatus. A ...

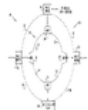


Ring network with variable rate

US • US7420922B2 • Leon Bruckman • Corrigent Systems Ltd

Priority 2003-03-12 • Filed 2003-03-12 • Granted 2008-09-02 • Published 2008-09-02

A method for changing a network characteristic or capability, such as the communication rate of network segments, software version or protocol. All nodes in the network perform the change synchronously while continuing to communicate within the existing capabilities. A new configuration is ...



Synchronized ring software download

US • US7478382B2 • Zvika Menahemi • Corrigent Systems Ltd.

Priority 2004-09-27 • Filed 2004-09-27 • Granted 2009-01-13 • Published 2009-01-13

According to a disclosed embodiment of the invention, software download and installation in a ring network are synchronized in a two-stage operation in order to minimize service disruption time. In a first phase, the MPM's and UIM's in all the nodes are upgraded in parallel. Each node has two main ...

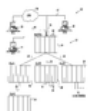


Management interface for a network access multiplexing system

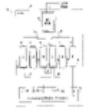
US • US6822944B1 • Sharon Mantin • Orckit Communications Ltd.

Priority 2000-11-08 • Filed 2000-11-08 • Granted 2004-11-23 • Published 2004-11-23

Communication access apparatus includes a master shelf, including a master switching unit linked to communicate with a high-speed network, and a plurality of slave shelves. Each slave shelf includes ports that serve network subscribers, and further includes a slave switching unit, coupled to ...



Equipment protection using a partial star architecture

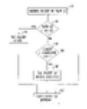


US • [US7032135B2](#) • Rafi Harel • Corrigent Systems Ltd.

Priority 2002-08-02 • Filed 2002-08-02 • Granted 2006-04-18 • Published 2006-04-18

Communication apparatus includes a plurality of interface cards, including a central interface card and spoke interface cards, which are adapted to link communication lines to a network. A protection bus includes multiple spoke connections that link the central interface card to the spoke ...

Differentiated services with multiple tagging levels

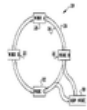


US • [US7280560B2](#) • Leon Bruckman • Corrigent Systems Ltd.

Priority 2002-04-24 • Filed 2002-04-24 • Granted 2007-10-09 • Published 2007-10-09

A method for handling traffic in a communication network includes setting an aggregate limit on a total rate of transmission of information by a group of flows to be transmitted over the network, and setting a respective individual limit on an individual rate of transmission by each of the flows ...

Auto-configuration of network interfaces in a bidirectional ring network

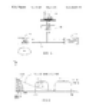


US • [US6973049B2](#) • Gal Mor • Corrigent Systems Ltd.

Priority 2001-10-16 • Filed 2001-10-16 • Granted 2005-12-06 • Published 2005-12-06

A method for configuration of a node inserted into a bidirectional ring network includes, responsive to traffic on first and second rings of the network, determining at the node that one of the first and second rings carries the traffic in a clockwise direction around the network, while the other ...

Splitterless ethernet DSL on subscriber loops



US • [US6483903B1](#) • Jacob Itay • Orckit Communications, Ltd

Priority 1999-07-01 • Filed 1999-07-01 • Granted 2002-11-19 • Published 2002-11-19

A splitterless system provides along a subscriber loop, full Ethernet wire speed data transmission between a data source and an Ethernet standard end device. The system includes a gateway modem device connected to a data source, and arranged in splitterless contact with a subscriber loop extending ...

Method and apparatus for compensating for an echo signal component in ...



EP US • [US6956944B1](#) • Victor Koren • Orckit Communications, Ltd.

Priority 1999-12-14 • Filed 1999-12-14 • Granted 2005-10-18 • Published 2005-10-18

A balanced hybrid circuit for compensating for transmission echo signal in a modem. The hybrid circuit includes transmission echo compensation circuits that approximate the echo signal effects of the line and line transformer, respectively, and produce a transmission echo signal replica. A sample ...

Selective protection for ring topologies



WO EP US JP AT AU BE ES IL • [US6892329B2](#) • Leon Bruckman • Corrigent Systems Ltd.

Priority 2001-04-02 • Filed 2001-10-03 • Granted 2005-05-10 • Published 2005-05-10

A method for fault protection in a bidirectional ring network includes transmitting first and second flows of packets around the bidirectional ring network while defining the first flow as a wrapping flow and the second flow as a non-wrapping flow. Upon detection by a node in the network that a ...

Fast protection in ring topologies



US • [US7061859B2](#) • Yossi Barsheshet • Corrigent Systems Ltd.

Priority 2001-08-30 • Filed 2001-08-30 • Granted 2006-06-13 • Published 2006-06-13

In a bidirectional ring network, in which nodes are mutually connected by network segments, a method of fault protection includes constructing a general mask indicating which of the segments can be reached. For a given data flow to be conveyed through the network from a source node to a ...

Signaling MPLS over RPR rings



US • [US7483399B2](#) • David Zelig • David Zelig

Priority 2002-06-05 • Filed 2003-02-20 • Granted 2009-01-27 • Published 2009-01-27

Explicit routing of network traffic over RPR rings using MPLS signaling techniques, including unnumbered links. A modified LSP_TUNNEL_INTERFACE_ID object is provided with a RPR IP address instead of the conventional LSR Router ID, and with a direction indicator in place of the conventional ...

Line driver with output impedance synthesis



US • [US6218872B1](#) • Victor Koren • Orckit Communications Ltd.

Priority 1999-12-23 • Filed 1999-12-23 • Granted 2001-04-17 • Published 2001-04-17

A line driver for coupling a data transceiver to a line having a load impedance, having a transformer with a primary coil and a secondary coil with a turns ratio of N:1 therebetween. The line driver includes a shunt impedance set to a value equal to a predetermined function of N and of the load ...

Protection against master unit failure in remote network access multiplexing



EP US • [US6834038B1](#) • David Zelig • Orckit Communications Ltd.

Priority 2000-08-11 • Filed 2000-08-11 • Granted 2004-12-21 • Published 2004-12-21

Network access apparatus includes a slave unit, including a plurality of subscriber ports adapted to be linked to respective subscriber lines, and a multiplexer for multiplexing among the ports. A master sub-system, is connected to at least one trunk line of a first public network, in a location ...

Network access multiplexer with protocol address translation

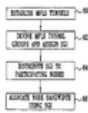


US • [US6822943B1](#) • Sharon Mantin • Orckit Communications Ltd.

Priority 2000-11-08 • Filed 2000-11-08 • Granted 2004-11-23 • Published 2004-11-23

Communication access apparatus includes a master shelf, including a master switching unit linked to communicate with a high-speed network, and a plurality of slave shelves arranged in a given system topology with respect to the master shelf. Each of the slave shelves includes ports configured to ...

Resource sharing among network tunnels

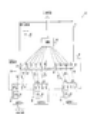


WO EP US JP IL • [US7463580B2](#) • Gideon Agmon • Corrigent Systems, Ltd.

Priority 2005-12-15 • Filed 2005-12-15 • Granted 2008-12-09 • Published 2008-12-09

A method for communication includes defining a resource-sharing group including two or more communication paths that traverse at least two different routes through a communication network, the routes traversing at least one common network element. A notification of an affiliation of the two or ...

Hidden failure detection



US • [US6957369B2](#) • Leon Bruckman • Corrigent Systems Ltd.

Priority 2002-05-30 • Filed 2002-05-30 • Granted 2005-10-18 • Published 2005-10-18

A method for self-testing of an electronic system that includes a main module and subsidiary modules, which are connected to the main module by data lines, at least some of which may be idle. One of the idle lines is selected to serve as an aid line, and the subsidiary module to which the aid line ...

Performance monitoring of multiple channels in an automatic protection switched ...



US • [US7158721B2](#) • Sharon Mantin • Corrigent Systems Ltd.

Priority 2002-02-25 • Filed 2002-02-25 • Granted 2007-01-02 • Published 2007-01-02

A performance management unit manages a primary interface and a standby or secondary interface to two channels of an optical communications network having APS capabilities. Each performance parameter is associated with three counters. First and second counters are linked to registers of the ...

Multipoint to multipoint communication over ring topologies

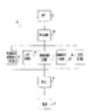


US JP • [US7330431B2](#) • Leon Bruckman • Corrigent Systems Ltd.

Priority 2004-09-03 • Filed 2004-09-03 • Granted 2008-02-12 • Published 2008-02-12

A method for assigning bandwidth in a network including nodes coupled by links arranged in a physical topology, the method including: defining between the nodes logical connections associated with a data transmission service to be provided over the network, the logical connections having a ...

Generic framework for embedded software development



US • [US7069546B2](#) • Yoram Tsarfati • Corrigent Systems Ltd.

Priority 2001-12-03 • Filed 2001-12-03 • Granted 2006-06-27 • Published 2006-06-27

A method for producing embedded software includes providing one or more generic application handler programs, each such program comprising computer program code for performing generic application functions common to multiple types of hardware modules used in a communication system. Specific ...

SONET circuit emulation with VT compression



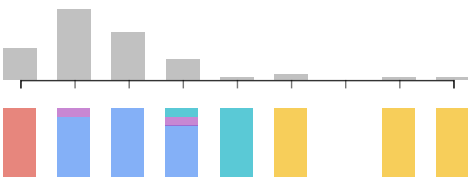
US • [US7133415B2](#) • David Zelig • Corrigent Systems Ltd.

Priority 2001-07-10 • Filed 2001-10-17 • Granted 2006-11-07 • Published 2006-11-07

A method for data communications includes receiving a time-division-multiplexed (TDM) input signal on a first circuit, the signal including an input sequence of frames of data, each such frame divided into sections for carrying respective sub-rate payloads. After determining which of the sections ...

About 70 results

Top 1000 results by filing date



Relative count of top 5 values

Assignees	Inventors	CPCs
Corrigent Systems Ltd.		61.4%
Orckit Communications Ltd.		10%
Orckit Ip, Llc		5.7%
Corrigent Systems Ltd		5.7%
Orckit-Corrigent Ltd.		2.8%
Expand		