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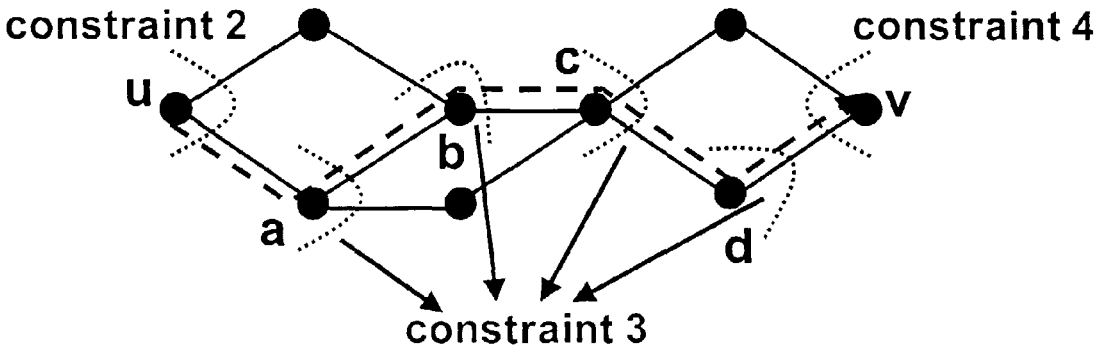
(54) Title: METHOD AND SYSTEM FOR COMMUNICATION OF DATA VIA AN OPTIMUM DATA PATH IN A NETWORK



transport constraints on data paths in a network

(57) Abstract: Routing is one of the key issues in networks for communication of data. Conventionally, the optimization of the routing for a particular network is achieved by improving/changing/expanding the routing protocol. In order to optimize the routing of data networks without varying existing routing protocols, the present invention provides a method and a system for optimizing the routing of data to be communicated in a network. In particular, the invention achieves a homogeneous distribution of data communication traffic in a network by a minimization of the maximum link utilization and/or a minimization of the average link utilization of data links between nodes of the network.

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