

Title (en)

METHOD AND APPARATUS FOR NETWORK CONTROL IN COMMUNICATIONS NETWORKS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR NETZSTEUERUNG IN KOMMUNIKATIONSNETZWERKEN

Title (fr)

PROCEDE ET APPAREIL DES GESTION DES RESSOURCES DE RESEAUX DE TELECOMMUNICATIONS

Publication

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Application

EP 99941035 A 19990811

Priority

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Abstract (en)

[origin: WO0010296A2] A method and apparatus for control of network resources in communications networks based upon the time and locations that communication events occur, the time and locations that communication resources are available and the transmission characteristics at selected times and locations. This invention predicts spatial locations where and times when usage requests can be serviced in a network. A network controller is provided for the network that operates to determine and control the location/time distribution of use requests for resources, the location/time distribution of available resources, and the location/time transmission characteristics in a manner that enhances system performance. The network controller has one or more components, for example communication controllers, a network operating system and network applications. The network controller is located, for example, in a region manager but can be distributed over the network. The network controller obtains and stores knowledge over time (both current and a priori) that is useful in dynamically optimizing system performance.

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