

## **ABSTRACT**

### **A COMMUNICATION NETWORK CONTROL METHOD**

A communication network (1) comprises a number of network nodes (2, 3, 4 and 5) linked together by transmission paths (6, 7 and 8). A network manager (9) controls acceptance of calls onto transmission paths by classifying an incoming call and selecting from the database (14) an appropriate mean to peak bit rate distribution. This selected distribution is then used with the monitored transmission path load to determine a posterior distribution which reflects the load. The decision to accept or reject the call is made on the basis of the posterior distribution by a call acceptance algorithm considering the effective bandwidth for example.

**Figure 1.**

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**This Sheet Has Been Replaced**

