ABSTRACT

METHOD OF FORWARDING MESSAGES OVER A NETWORK AND SYSTEM FOR IMPLEMENTING THE METHOD

The present invention relates to a method of forwarding messages over a network. The message forwarding method is implemented in a router (101a to 101g) of a distributed network (100) comprising, at the level of the OSI layer 7, at least one sub-network (102a to 102c) being constrained, the method comprising at least the following steps:

- processing a unique format for the whole set of messages;
- for a given message, identifying the next routers (101a to 101g) to be reached in order to forward the message to its recipient or recipients;
- for a given message, identifying the transmission service quality;
- assigning priorities to the messages as a function of the service quality requirements identified in the previous step;
- adapting the content of the message so as to pass through a constrained sub-network (102a to 102c).

The method notably applies to exchanges of messages on networks constituted by heterogeneous sub-networks.

Figure 2.

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