

Title (en)

IMPLEMENTATION OF A FAULT-TOLERANT BUS IN A TELECOMMUNICATIONS NETWORK

Title (de)

IMPLEMENTIERUNG EINES FEHLERTOLERANTEN BUSSES IN EINEM FERNMELDENETZ

Title (fr)

IMPLEMENTATION D'UN BUS A TOLERANCE DE PANNES DANS UN RESEAU DE TELECOMMUNICATIONS

Publication

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Application

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Abstract (en)

[origin: WO9701905A1] The invention relates to implementing a secured bus, particularly a management bus in a telecommunications network comprising a plurality of nodes connected to each other with data connections. In the network, synchronization status messages in accordance with recommendation G.704 are transmitted for indicating the quality level of the signal with respect to synchronization. In accordance with the method, a bus (MB) is implemented in the network for transmitting information outside user traffic, and in securing the bus, a conditional switching point (E) is used in at least one node so that the bus is switched to pass via the switching point, provided that a predetermined criterion related to conditional switching is fulfilled. In order to ensure a simple implementation for securing the bus, the state (QL) of the synchronization status message is used as the criterion so that upon the synchronization status message changing into a state indicating that the signal in question is not to be used for synchronization, the management bus is switched to pass via the conditional switching point.

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