

Title (en)

TELECOMMUNICATIONS SYSTEM AND METHOD FOR PRODUCING A MASTER CLOCK IN THE SAME

Title (de)

TELEKOMMUNIKATIONSSYSTEM SOWIE VERFAHREN ZUM ERZEUGEN EINES HAUPTTAKTES IN DEMSELBEN

Title (fr)

SYSTEME DE TELECOMMUNICATION ET PROCEDE POUR PRODUIRE UN SIGNAL D'HORLOGE MAITRESSE DANS LE DIT SYSTEME

Publication

EP 1108300 A1 20010620 (DE)

Application

EP 99952450 A 19990826

Priority

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- EP 9906284 W 19990826
- EP 98116322 A 19980828

Abstract (en)

[origin: EP0982890A1] Telecommunications systems have to be synchronized to an external clock pulse source. To this end, at least two reference clocks are used which are redundant to one another. The master processor is informed when a reference clock fails. Said master processor subsequently instructs the master clock generator to switch to a redundant reference clock. Due to the time-delay associated therewith, data errors can occur on the transmission link. The invention should reduce the susceptibility of the telecommunications system to faults. The peripheral platforms of the telecommunications system determine the decrease in quality or the failure of a clock pulse signal with the aid of a quality detector (6), and they interrupt the relay of the clock pulse signal to the master clock generator (2). The master clock generator (2) detects the interruption by using an interruption detector (7) and switches to a redundant reference clock. The method for producing a master clock comprises the following steps: detecting clock pulse qualities, and interrupting the clock pulse signal if the quality thereof decreases.

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