

Title (en)  
COMMON TIME REFERENCE FOR PACKET SWITCHES

Title (de)  
GEMEINSAME REFERENZZEIT FÜR PAKETVERMITTLUNGEN

Title (fr)  
REFERENCE DE TEMPS COMMUNE POUR COMMUTATION DE PAQUETS DE DONNEES

Publication  
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Application  
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- US 8890698 P 19980611
- US 8891498 P 19980611
- US 8891598 P 19980611
- US 8898398 P 19980611
- US 12051598 A 19980722
- US 12052998 A 19980722
- US 12063698 A 19980722
- US 12067298 A 19980722
- US 12070098 A 19980722
- US 12094498 A 19980722

Abstract (en)  
[origin: WO9965198A1] The invention describes a method for transmitting and forwarding packets over a packet switching network via communication links with variable delays. The switches (10) of the network maintain a common time reference (002), which is obtained either from an external source or is generated and distributed internally. A packet that arrives to an input port (30) of a switch (10) is switched to an output port (40) based on specific routing information in the packet header. Each switch (10) along a route from a source to a destination forwards packets in periodic time intervals that are predefined using the common time reference. The time interval duration can be longer than the time duration required for transmitting a packet, in which case the exact position of a packet in the time interval is not predetermined.

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IPC 8 full level  
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Citation (search report)

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- See references of WO 9965198A1

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