SYNCHRONIZATION ARRANGEMENT FOR A
COMPRESSED VIDEO SIGNAL

ABSTRACT OF THE DISCLOSURE

Apparatus for developing synchronization of an intermediate layer of signal such as the transport or multiplex layer of a multi-layered compressed video signal, includes at the encoding end of the system apparatus (13,23,25) for including a time stamp reference, such as a count value from a modulo K counter (23), and provision for a differential time stamp which may be updated by the transit times of respective (e.g., multiplexing) circuits as the signal transits such circuits. At the receiving end of the system a counter (27) is responsive to a controlled receiver clock signal and the count value of this counter is sampled at the arrival of the time stamps embedded in the transport layer. The time stamps and the differential time stamps are retrieved from the signal and combined to form a corrected time stamp. The differences of successive sampled count values of the receiver counter are compared with the differences of corresponding successive corrected time stamps to provide a signal to control the receiver clock signal.

Figure 1