

METHOD AND APPARATUS FOR REDUCING JITTER OF A PROGRAM CLOCK REFERENCE IN A TRANSPORT STREAM OF MPEG OVER ATM, AND MPEG DECODER

ABSTRACT

Disclosed is a method for reducing a jitter of a program clock reference (PCR) in a transport stream of an MPEG signal transmitted over ATM system, which comprises: a step for correcting PCR to $PCR - (T - \delta)$ if $|PCR - STC| > T - \delta - \Delta$ is true and $\text{sign}(PCR - STC) > 0$ is true, correcting PCR to $PCR + (T - \delta)$ if $|PCR - STC| > T - \delta - \Delta$ is true and $\text{sign}(PCR - STC) > 0$ is false, correcting PCR to $PCR + (T - \delta)$ if $|PCR - STC| > T - \delta - \Delta$ is true and $\text{sign}(PCR - STC) > 0$ is false, and making no correction if $|PCR - STC| > T - \delta - \Delta$ is false, wherein the program clock reference received is represented by PCR, a system time clock at the time when the program clock reference is received is represented by STC, a period of a transport stream packet at an output terminal of an MPEG encoder is represented by T, a packet transmission time of the transport stream packet at an input terminal of the apparatus is represented by δ , and a tolerable range is represented by Δ .

Fig. 1

This Sheet Has Been Replaced

