

ABSTRACT

DIGITAL MULTIPLEX TRANSMISSION SYSTEM

A digital multiplex transmission system is disclosed wherein the rate of convolution codes can be changed over in accordance with an object of a user without changing the transmission rate. A frame for transmitting system data, first preliminary data, second preliminary data, scramble control data, audio data, video data and Reed-Solomon codes is constructed by allocation of them such that a boundary between each adjacent ones of them may make a vertical straight line. Data of such frame are coded by convolution coding and then transmitted. When the transmission line is in a deteriorated condition, the rate of the convolution codes is reduced to increase the correcting faculty for the convolution codes. In contrast, when the transmission line is in a good condition, the rate of the convolution codes is increased to transmit a large amount of data.

FIGURE 1

This Sheet Has Been Replaced

