

ABSTRACT OF THE DISCLOSURE

"OFDM DIVERSITY RECEIVER"

In a reliability information calculation circuit for each of receiving systems, a decision is made as to whether or not each carrier signal is suffering from interference. The reliability of demodulated information of each carrier signal is determined from the result of the decision. The demodulated information in each receiving system is weighted on the basis of the reliability, which allows demodulated information from a carrier signal deteriorated due to frequency-selective interference to be removed in a combination diversity circuit. Thereby, the error correction characteristic of an error correction circuit is improved. Further, it is more effective to subject reliability information for each carrier signal for the receiving systems to diversity combination and to thereby allow the error correction circuit to make correction for loss of demodulated information.

Fig. 1