

Title (en)

Arrangement for optimizing the utilization of frequencies through time-division multiplexing of stereophonic broadcasts

Title (de)

Vorrichtung für die wirtschaftliche Nutzung vom Frequenzspektrum durch die Zeitmultiplizierung von stereophonischen Übertragungen

Title (fr)

Dispositif pour l'optimisation de l'utilisation des fréquences, utilisant le multiplexage dans le temps d'émissions stéréophoniques

Publication

EP 0847157 A2 19980610 (EN)

Application

EP 97121048 A 19971201

Priority

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- AR 9706172 A 19970117
- AR 9705155 A 19971105

Abstract (en)

The arrangement processes the stereophonic information to be transmitted by means of two or more RF modulated channels either on air or through the telephone line or again through wires that may or may not carry energy. To this purpose, the stereophonic information means are introduced: the left-hand and right-hand audio channels, integrating the transmission baseband by means of a subcarrier in the 19 kHz region, with the sequential suppression in alternating form of the sidebands of said channels, and connected with the RF transmission means. The receiver means include, at the output of the demodulator means, decoder means inverting the above mentioned alternating sequence, said means including an integrated comparator circuit and an integrated commutator circuit. Said stereophonic information means can also be connected to time-division multiplexing coder means, along with radio-frequency generator means and frequency-divider means. The RF is modulated by means of an electronic commutator, wherein pulses of the signals corresponding to the left-hand and right-hand channels are alternated at a rate in the region of 13 microseconds. The modulator means connect with respective mixer means connected in turn to the transmitter means constituted by an adder means forming a multiple transmission head unit. <IMAGE>

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