

TRANSMISSION APPARATUS AND TRANSMISSION METHOD

ABSTRACT

A transmission apparatus includes M signal processors that respectively generate modulated signals directed to M reception apparatuses, M being an integer equal to or greater than 2, and an antenna section. Each signal processor modulates a first bit sequence made up of two bits to generate a first modulated signal and a second modulated signal, and modulates a second bit sequence made up of other two bits to generate a third modulated signal and a fourth modulated signal, in a case of transmitting multiple streams to a corresponding one of the M reception apparatuses. The antenna section includes a first antenna that transmits the first modulated signal and the third modulated signal and a second antenna that transmits the second modulated signal and the fourth modulated signal. At least either the signals transmitted from the first antenna or the signals transmitted from the second antenna are phase-changed signals.

[Fig 63]