

ABSTRACT

TRANSMISSION METHOD, TRANSMISSION DEVICE, RECEPTION METHOD, AND RECEPTION DEVICE

Provided is a precoding method for generating, from a plurality of baseband
5 signals, a plurality of precoded signals to be transmitted over the same frequency
bandwidth at the same time, including the steps of selecting a matrix $F[i]$ from
among N matrices, which define precoding performed on the plurality of baseband
signals, while switching between the N matrices, i being an integer from 0 to $N - 1$,
and N being an integer at least two, generating a first precoded signal z_1 and a
10 second precoded signal z_2 , generating a first encoded block and a second encoded
block using a predetermined error correction block encoding method, generating a
baseband signal with M symbols from the first encoded block and a baseband signal
with M symbols the second encoded block, and precoding a combination of the
generated baseband signals to generate a precoded signal having M slots.

15

Figure 1