

ABSTRACT
SEQUENCE ALLOCATING METHOD, TRANSMITTING METHOD AND
WIRELESS MOBILE STATION DEVICE

5 It is an object to provide a sequence allocating method that, while
maintaining the number of Zadoff-Chu sequences to compose a sequence
group, is configured to make it possible to reduce correlations between
different sequential groups. This method comprises the steps of setting a
standard sequence with a standard sequence length (N_b) and a standard
10 sequence number (r_b) in a step (ST101), setting a threshold value
($X_{th}(m)$) in accordance with an RB number (m) in a step (ST103), setting
a sequence length (N) corresponding to RB number (m) in a step (ST104),
judging whether $|r/N - r_b/N_b| = X_{th}(m)$ is satisfied in a step (ST106),
including a plurality of Zadoff-Chu sequences with a sequence number (r)
15 and a sequence length (N) in a sequence group (r_b) in a step (ST107) if
the judgment is positive, and allocating the sequence group (r_b) to the
same cell in a step (ST112).

Fig. 8