

ABSTRACT

BASE STATION DEVICE AND NOTICE CHANNEL
TRANSMITTING METHOD

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A disclosed base station transmits a broadcast
channel to a user device a predefined number of times in
a predetermined cycle for communication with the user
device. The base station includes a repetition unit
10 configured to repeat the broadcast channel, after the
broadcast channel is channel-coded, for the predefined
number of times to generate multiple broadcast channels;
and a signal waveform changing unit configured to
process the generated broadcast channels such that the
15 processed broadcast channels have different signal
waveforms. Positions of the broadcast channels in the
order of transmission in the predetermined cycle are
associated with the signal waveforms of the broadcast
channels.

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FIG. 8