

CLAIMS

1. A terminal comprising:
a reception unit that receives at least
5 one of a known sequence and broadcast information in
a synchronization signal block where a
synchronization signal and a physical broadcast
channel are placed; and
a control unit that determines a portion
10 of an index of the synchronization signal block
based on the known sequence and determines a
remaining portion of the index of the
synchronization signal block based on the broadcast
information.
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2. The terminal as claimed in claim 1,
wherein the known sequence is one of a plurality of
sequences transmitted in the synchronization signal
block.
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3. The terminal as claimed in claim 1 or 2,
wherein the control unit synchronizes with a base
station using the known sequence.
- 25 4. A base station, comprising:
a control unit that includes in broadcast
information a portion of an index of a
synchronization signal block where a synchronization
signal and a physical broadcast channel are placed;
30 and
a transmission unit that transmits at
least one of a known sequence and the broadcast
information in the synchronization signal block,
wherein the known sequence is used to determine a
35 remaining portion of the index of the
synchronization signal block.