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(54) **TRANSMISSION OF SIGNALING
INFORMATION FOR BROADCAST AND
MULTICAST SERVICES**

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(52) **U.S. Cl.** **370/522**; 370/312; 370/338; 370/390;
370/432

(58) **Field of Classification Search** 370/390,
370/347, 328, 312, 338, 466, 465, 395.6;
455/426.1, 414.1, 450

See application file for complete search history.

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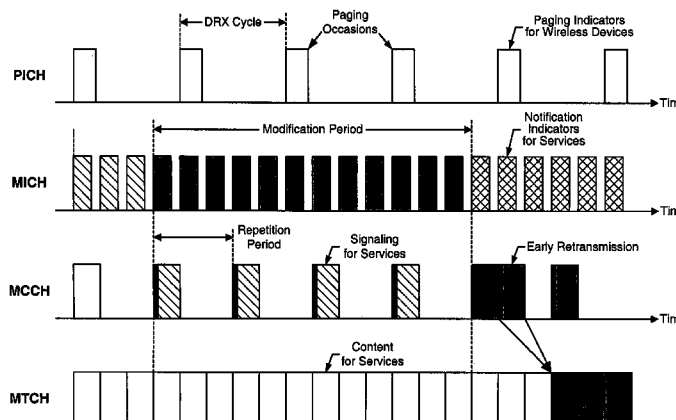
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(57) **ABSTRACT**

Techniques for transmitting signaling information for broad-
cast and multicast services are described. A base station trans-
mits signaling information for each service in accordance
with a schedule that includes a repetition period and a modi-
fication period. The signaling information is sent in each
repetition period to allow wireless devices to quickly obtain
this information. Changes to the critical signaling informa-
tion are permitted at the start of each modification period,
which is an integer multiple of the repetition period. When-
ever the critical signaling information for a given service is
changed in a given modification period, a notification indica-
tor for the service is set in an entire preceding modification
period to inform the wireless devices of the impending
change. The wireless devices can detect the notification indi-
cator being set in the preceding modification period and can
retrieve the updated critical signaling information in the fol-
lowing modification period.

43 Claims, 10 Drawing Sheets



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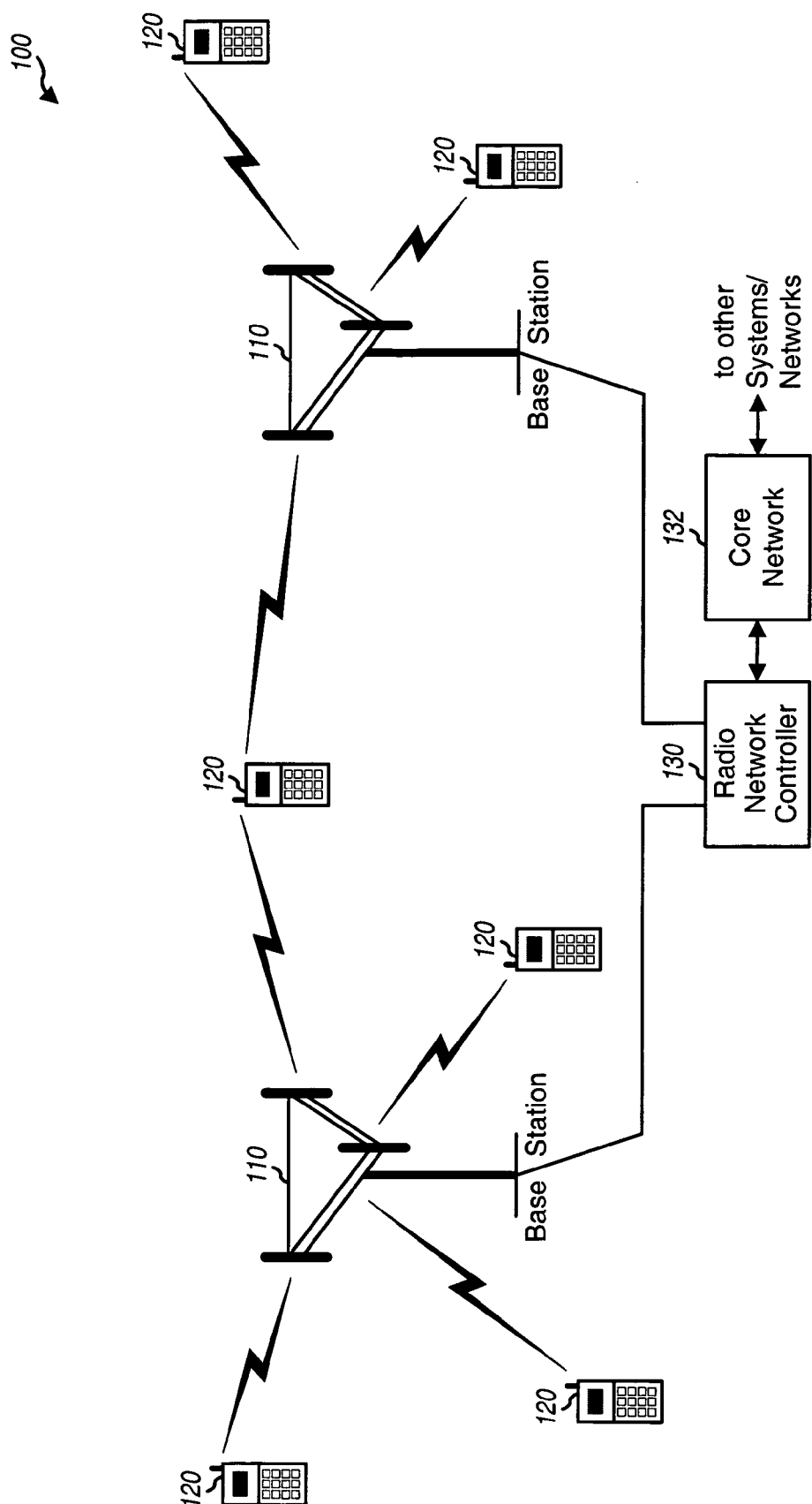
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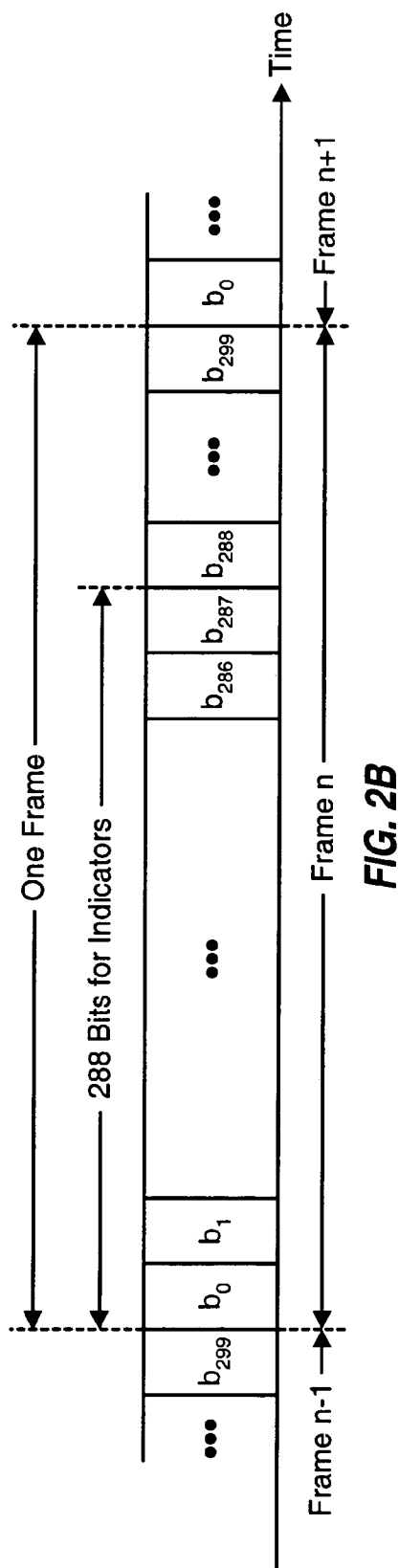
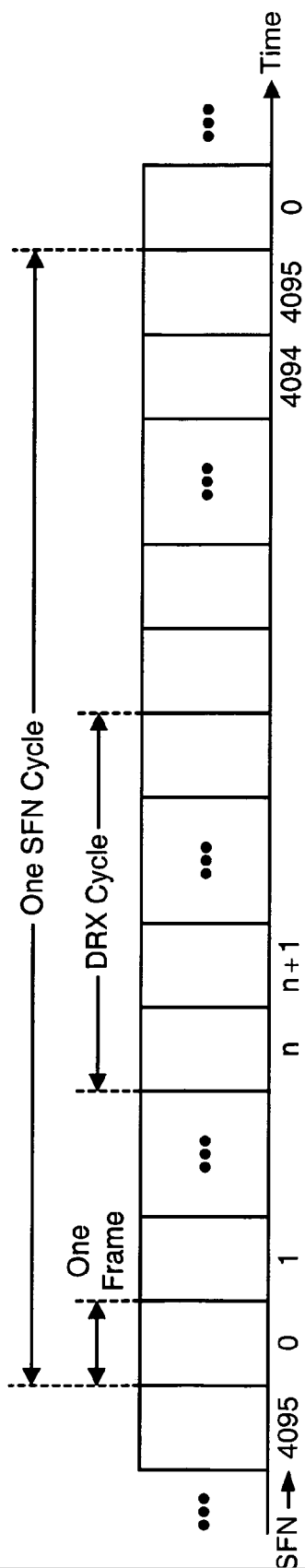
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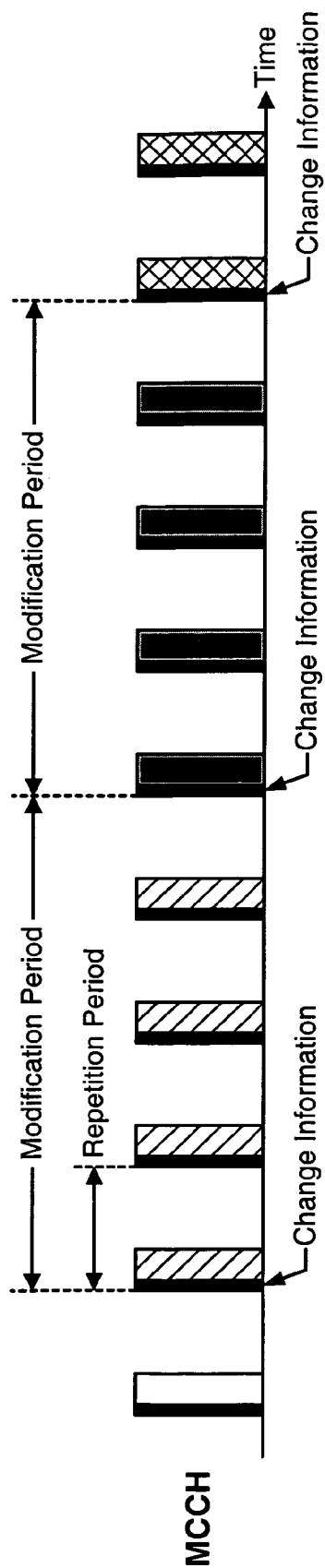
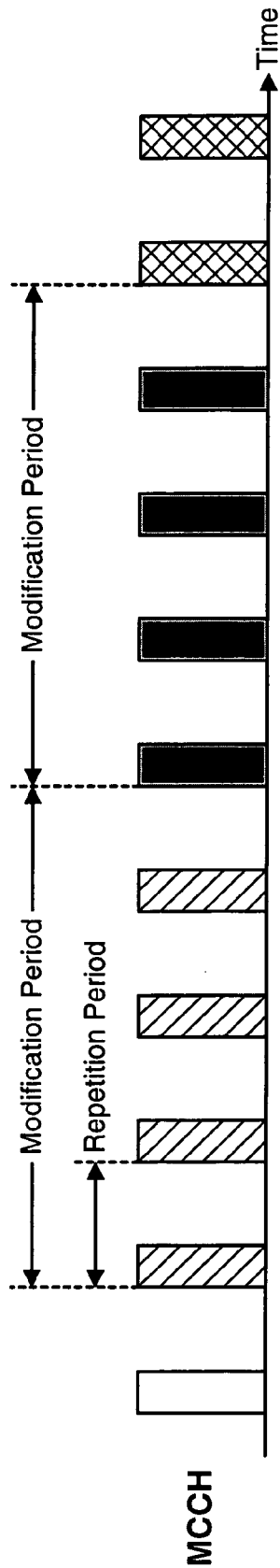
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**FIG. 1**





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