

US 20090209256A1

(19) United States

(12) Patent Application Publication

Nakashima et al. (43)

(54) MOBILE COMMUNICATION SYSTEM, AND MOBILE UNIT, BASE STATION UNIT AND

(76) Inventors: **Daiichiro Nakashima**, Chiba-shi (JP); **Hidekazu Tsuboi**, Chiba-shi

(JP)

Correspondence Address:

METHOD THEREFORE

BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747 (US)

(21) Appl. No.: 12/300,768

(22) PCT Filed: May 15, 2007

(10) **Pub. No.: US 2009/0209256 A1**

(43) Pub. Date: Aug. 20, 2009

(86) PCT No.: **PCT/JP2007/059981**

§ 371 (c)(1),

(2), (4) Date: Nov. 13, 2008

Publication Classification

(51) Int. Cl. H04W 36/00 (2009.01) H04B 17/00 (2006.01) H04M 1/00 (2006.01)

(52) **U.S. Cl.** **455/436**; 455/67.11; 455/67.7; 455/561

(57) ABSTRACT

In mobile communication system having a plurality of mobile traits and a plurality of base station units, the system of the present invention is characterised in that the base station unit has a gap period length setting section for setting the length of the gap period for the mobile unit depending on the type of the radio access technology to be monitored by the mobile unit.

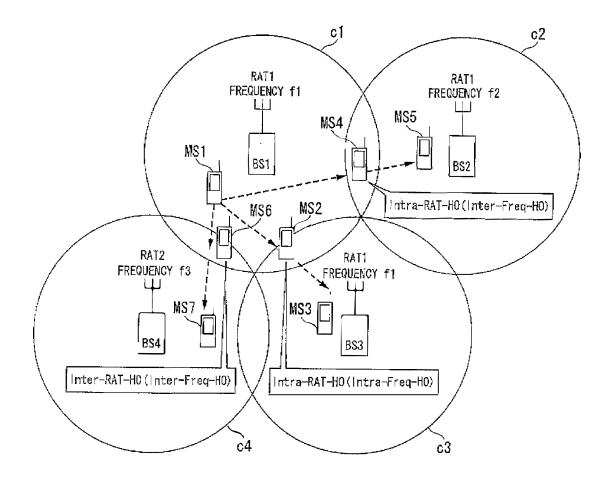




FIG. 1

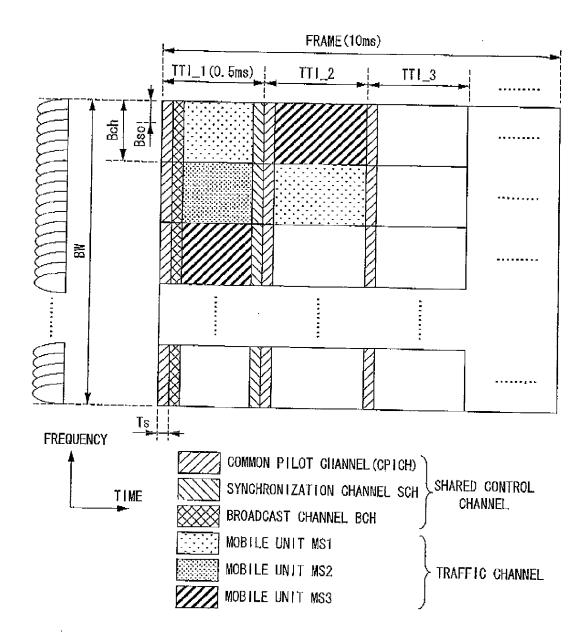


FIG 2

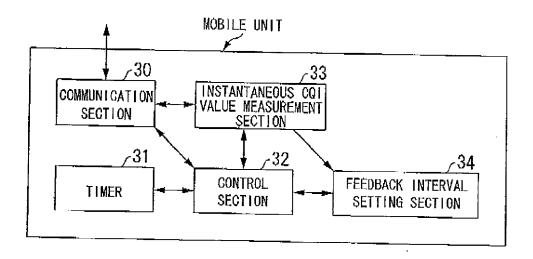


FIG. 3

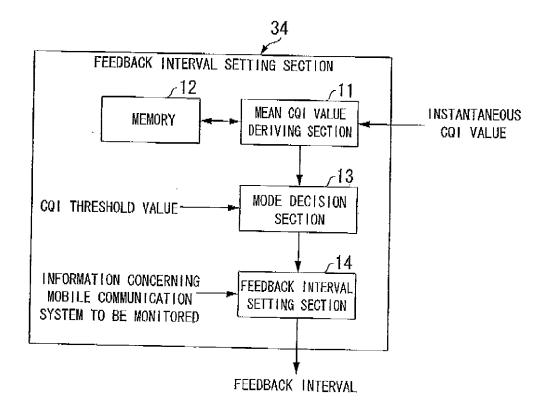




FIG 4A

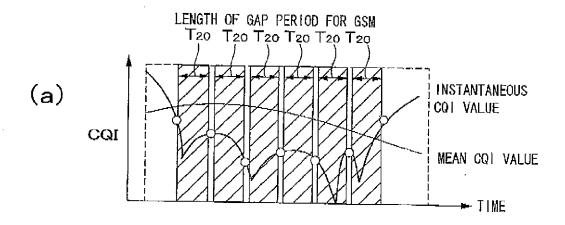
RADIO ACCESS TECHNOLOGY	LENGTH OF GAP PERIOD
UTRA	T ₁₀
GSM	T ₂₀
NON-3GPP SYSTEM	T ₃₀

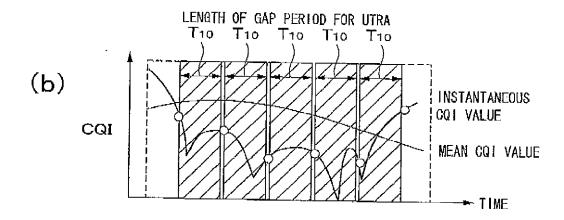
FIG. 4B

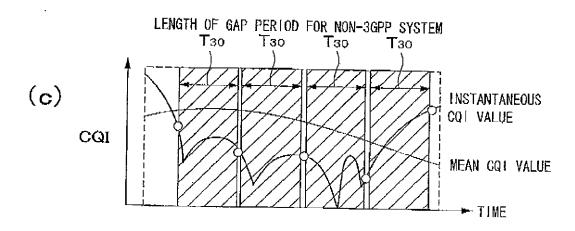
RADIO ACCESS TECHNOLOGY	FREQUENCY BAND USED	LENGTH OF GAP PERIOD
UTRA	f ₁ MHzBAND	T ₁₀
	f ₂ MHzBAND	T _{f1}
GSM	f ₃ MHzBAND	T ₂₀
	f ₄ MHzBAND	T ₂₁
NON-3GPP SYSTEM	f ₅ GHzBAND	T ₃₀
	₱6GHzBAND	T ₃₁



FIG. 5









DOCKET

Explore Litigation Insights



Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time** alerts and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.

