

## (19) United States

## (12) Patent Application Publication (10) Pub. No.: US 2009/0067377 A1 TALUKDAR et al.

Mar. 12, 2009 (43) **Pub. Date:** 

### (54) MEDIUM ACCESS CONTROL FRAME STRUCTURE IN WIRELESS COMMUNICATION SYSTEM

ANUP K. TALUKDAR, Dekalb, (75) Inventors: IL (US); MARK C. CUDAK,

ROLLING MEADOWS, IL (US); KEVIN L. BAUM, ROLLING MEADOWS, IL (US); AMITAVA GHOSH, BUFFALO GROVE, IL (US); STAVROS TZAVIDAS, **EVANSTON, IL (US); FAN** WANG, VERNON HILLS, IL (US); HUA XU, LAKE ZURICH, IL (US); XIANGYANG ZHUANG,

Correspondence Address: MOTÔROLA INC 600 NORTH US HIGHWAY 45, W4 - 390 **LIBERTYVILLE, IL 60048-5343 (US)** 

Lake Zurich, IL (US)

(73) Assignee: MOTOROLA, INC., LIBERTYVILLE, IL (US)

(21) Appl. No.: 12/191,042 (22) Filed: Aug. 13, 2008

## Related U.S. Application Data

(60) Provisional application No. 60/956,031, filed on Aug.

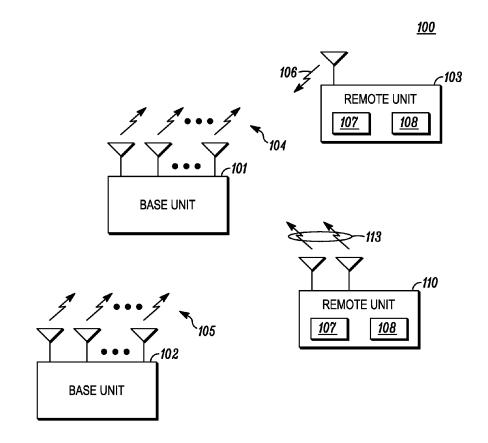
#### **Publication Classification**

(51) Int. Cl. H04W 72/04 (2009.01)

(52) U.S. Cl. ...... 370/329

#### ABSTRACT

A wireless communication infrastructure entity configured to allocate radio resources, in a radio frame, to a wireless terminal compliant with a first protocol and to a wireless terminal compliant with a second protocol. The radio frame including a first protocol resource region and a second protocol resource region. The radio frame including a first protocol allocation control message that allocates resources within the first protocol resource region to the wireless terminal compliant with the first protocol, and a second protocol allocation control message that allocates resources within the second protocol resource region to the wireless terminal compliant with the second protocol.





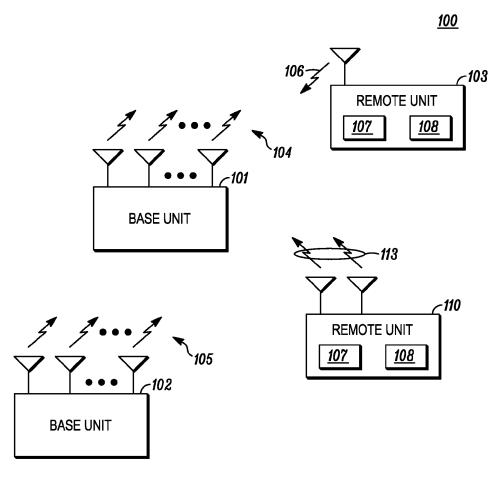
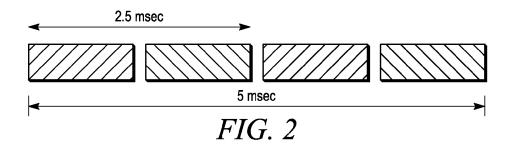
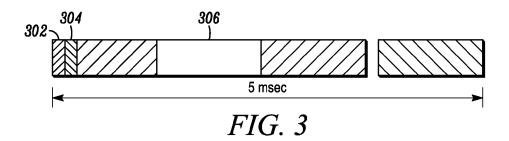
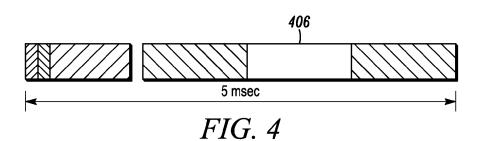
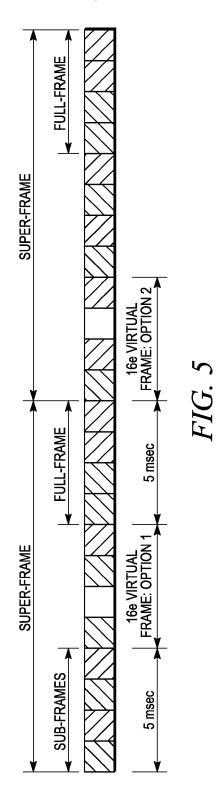


FIG. 1

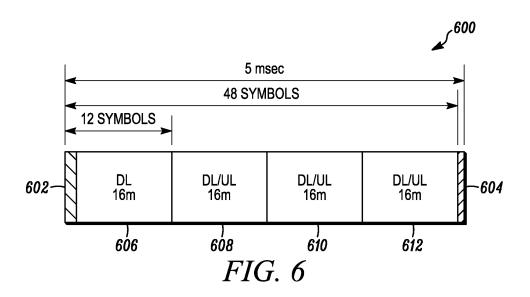


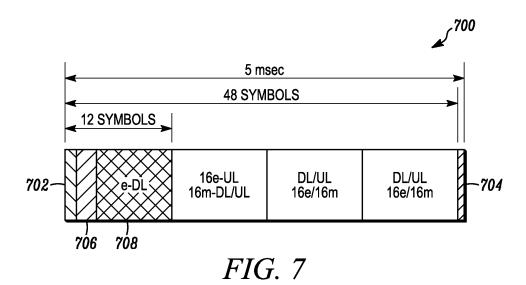












# DOCKET A L A R M

# 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.

