



US 20080285668A1

(19) **United States**

(12) **Patent Application Publication**

**Lee et al.**

(10) **Pub. No.: US 2008/0285668 A1**

(43) **Pub. Date: Nov. 20, 2008**

(54) **METHOD FOR PROCESSING CONTROL INFORMATION IN A WIRELESS MOBILE COMMUNICATION SYSTEM**

(76) Inventors: **Young-Dae Lee**, Gyeonggi-Do (KR); **Sung-Duck Chun**, Gyeonggi-Do (KR); **Myung-Cheul Jung**, Seoul (KR); **Sung-Jun Park**, Gyeonggi-Do (KR); **Patrick Fischer**, Bourg la Reine (FR)

Correspondence Address:  
**LEE, HONG, DEGERMAN, KANG & SCHMADEKA**  
660 S. FIGUEROA STREET, Suite 2300  
LOS ANGELES, CA 90017 (US)

(21) Appl. No.: **12/092,055**

(22) PCT Filed: **Oct. 25, 2006**

(86) PCT No.: **PCT/KR2006/004370**

§ 371 (c)(1),  
(2), (4) Date: **Apr. 29, 2008**

**Related U.S. Application Data**

(60) Provisional application No. 60/732,080, filed on Oct. 31, 2005, provisional application No. 60/732,288, filed on Oct. 31, 2005.

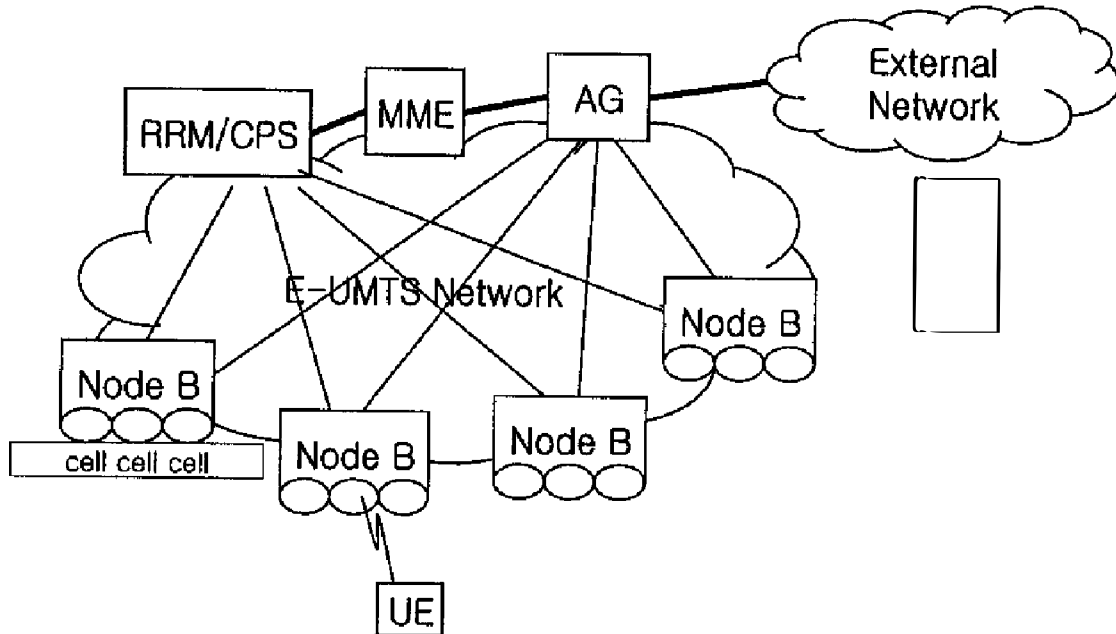
(30) **Foreign Application Priority Data**

Oct. 31, 2005 (KR) ..... 10-2005-0103510  
Jul. 5, 2006 (KR) ..... 10-2006-0063139

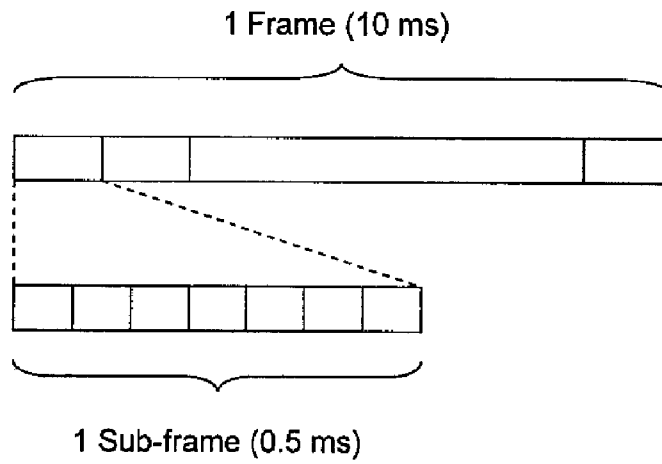
**Publication Classification**

(51) **Int. Cl.**  
*H04L 27/28* (2006.01)  
(52) **U.S. Cl.** ..... 375/260  
(57) **ABSTRACT**

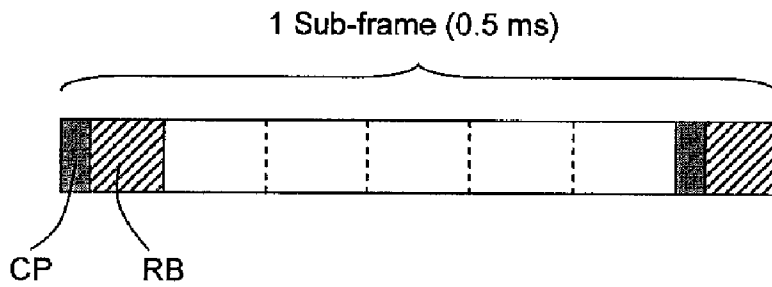
In a wireless mobile communications system, a method for processing control information allows the operations of a mobile terminal to be simplified and permits efficient use of resources for the mobile terminal. The network instructs in advance, the transmission of control information, such as system information and the like, via a single indicator channel. The mobile terminal receives this single indicator channel and uses the indicator information that was transmitted via the indicator channel in order to receive the control information.



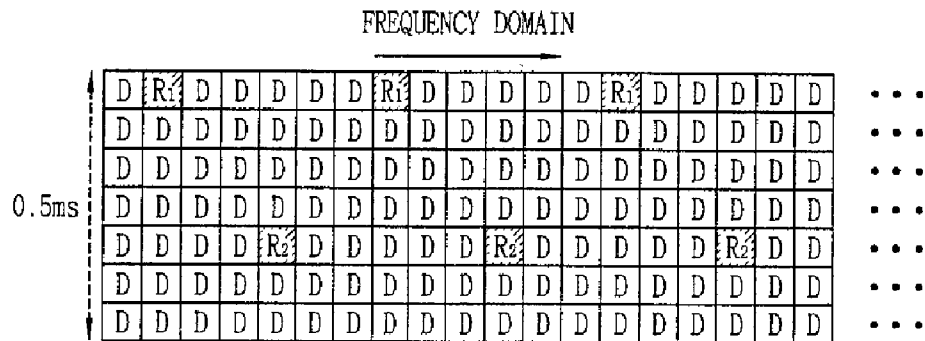
[Fig. 1]



[Fig. 2]

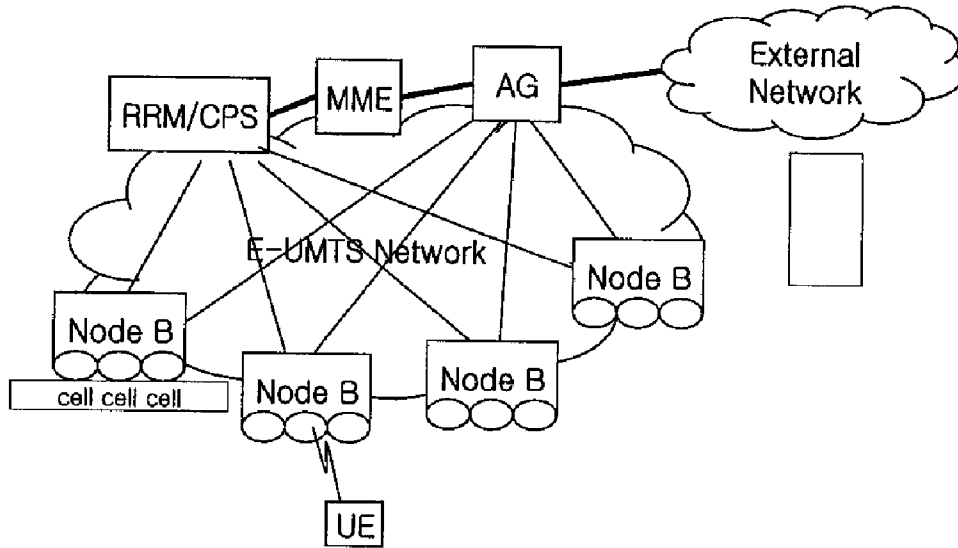


[Fig. 3]

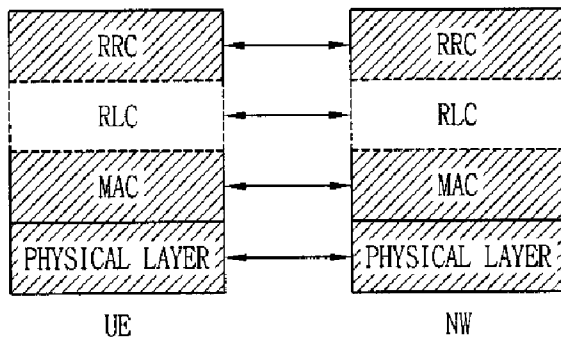


R<sub>1</sub> : FIRST REFERENCE SYMBOL  
R<sub>2</sub> : SECOND REFERENCE SYMBOL  
D : DATA

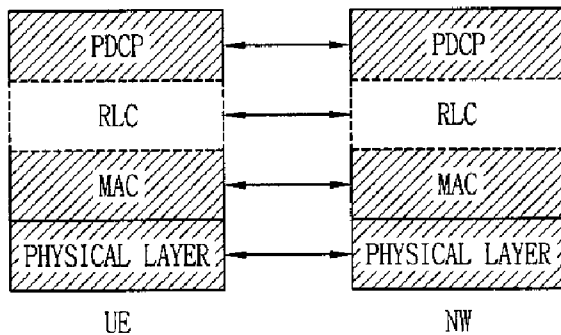
[Fig. 4]



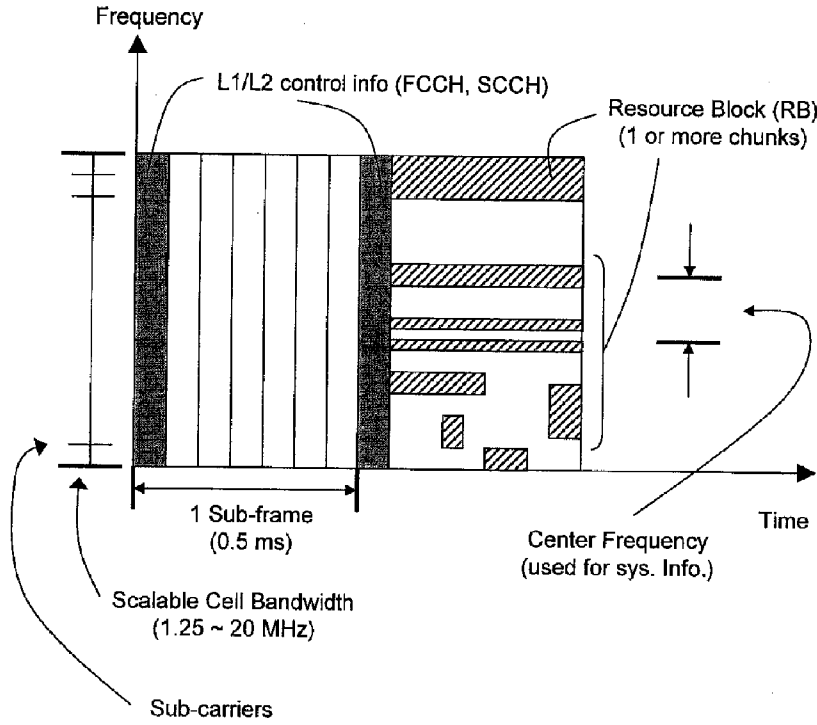
[Fig. 5]



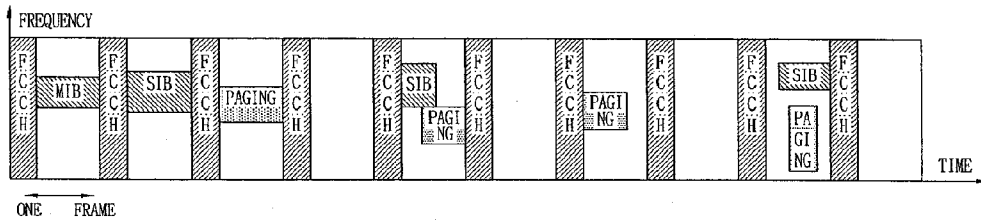
[Fig. 6]



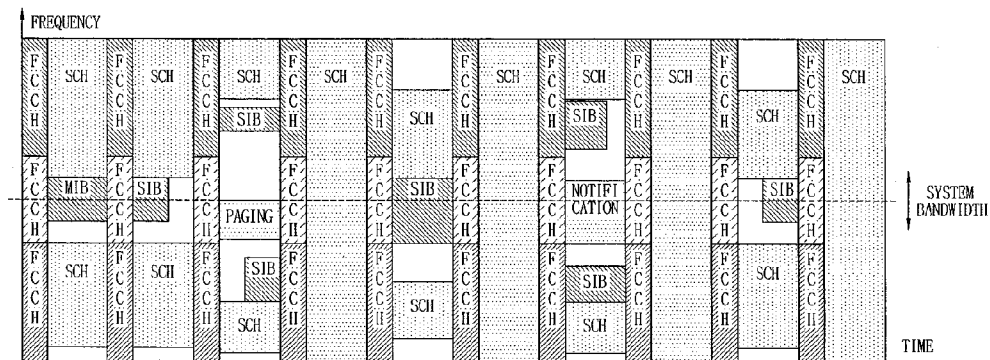
[Fig. 7]



[Fig. 8]



[Fig. 9]





# 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.