(19) **United States**
(12) **Patent Application Publication** (10) Pub. No.: **US 2007/0038753 A1**
Jorgensen (43) **Pub. Date:** **Feb. 15, 2007**

(54) **TRANSMISSION CONTROL PROTOCOL/INTERNET PROTOCOL (TCP/IP) - CENTRIC "QUALITY OF SERVICE(QOS)" AWARE MEDIA ACCESS CONTROL (MAC) LAYER IN A WIRELESS POINT TO MULTI-POINT (PTMP) TRANSMISSION SYSTEM**

(75) Inventor: **Jacob W. Jorgensen**, Folsom, CA (US)

Correspondence Address:
**DALLAS OFFICE OF FULBRIGHT &
JAWORSKI L.L.P.
2200 ROSS AVENUE
SUITE 2800
DALLAS, TX 75201-2784 (US)**

(73) Assignee: **Van Drebbel Mariner LLC**, Los Altos, CA (US)

(21) Appl. No.: **11/502,599**

(22) Filed: **Aug. 10, 2006**

Related U.S. Application Data

(63) Continuation of application No. 11/068,719, filed on Feb. 28, 2005, which is a continuation of application No. 09/349,477, filed on Jul. 9, 1999, now Pat. No. 6,862,622.

(60) Provisional application No. 60/092,452, filed on Jul. 10, 1998.

Publication Classification

(51) **Int. Cl.**
G06F 15/173 (2006.01)
(52) **U.S. Cl.** **709/226**

(57) **ABSTRACT**

A packet centric wireless point-to-multipoint (PtMP) telecommunications system is provided. The telecommunications system includes a wireless network that provides for true QoS. A media access control (MAC) layer is used in a packet-centric wireless point to multi-point (PtMP) telecommunications system, the telecommunications system includes a wireless base station coupled to a first data network, one or more host workstations coupled to the first data network, one or more subscriber customer premise equipment (CPE) stations in wireless communication with the wireless base station over a shared bandwidth using a packet-centric protocol, and one or more subscriber workstations coupled to each of the subscriber CPE stations over a second network. The MAC layer includes a resource allocation means that allocates shared bandwidth among the subscriber CPE stations to optimize end-user quality of service (QoS).
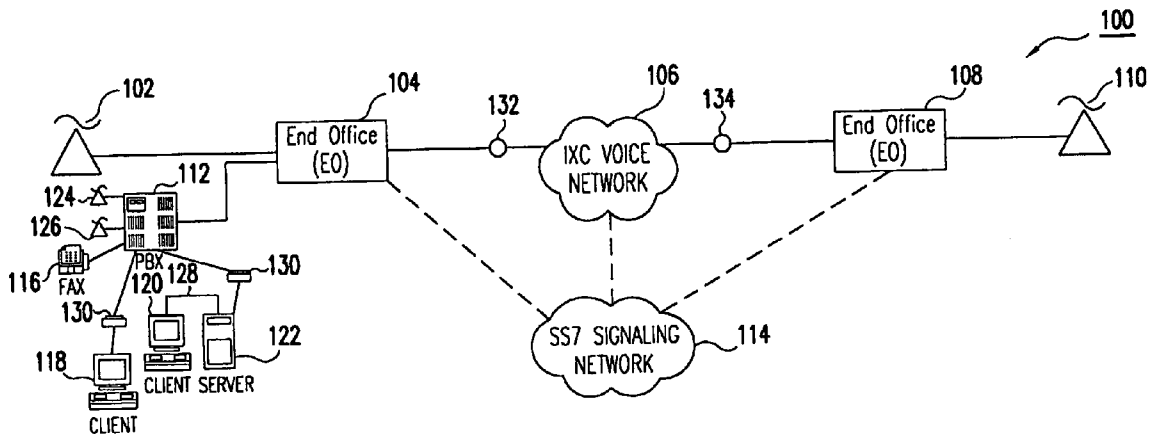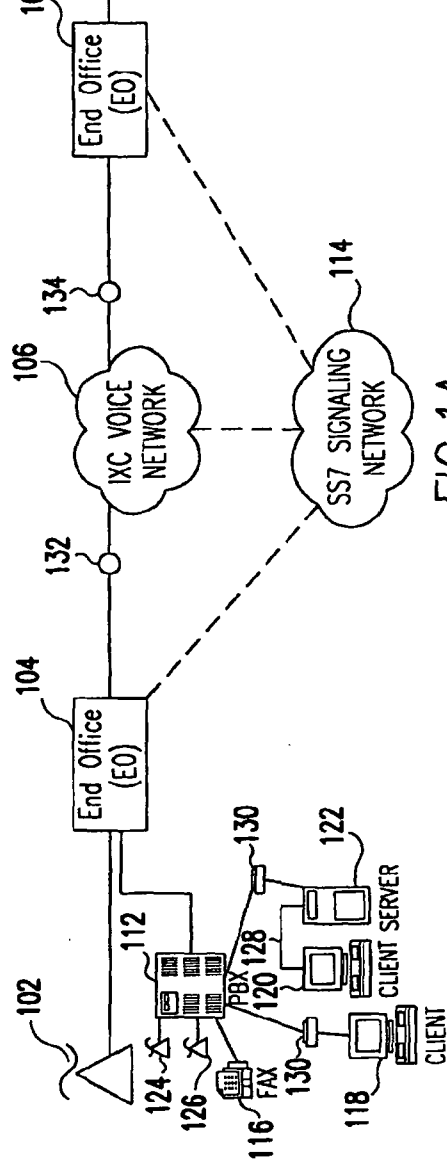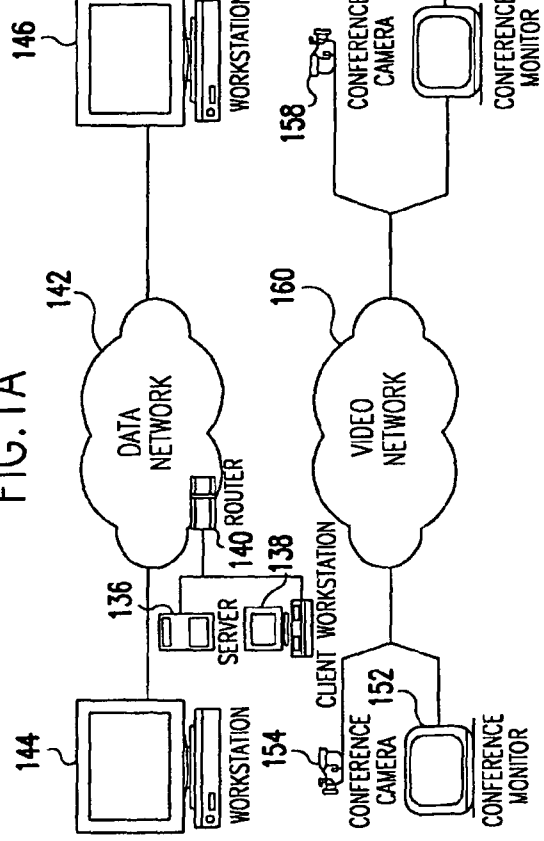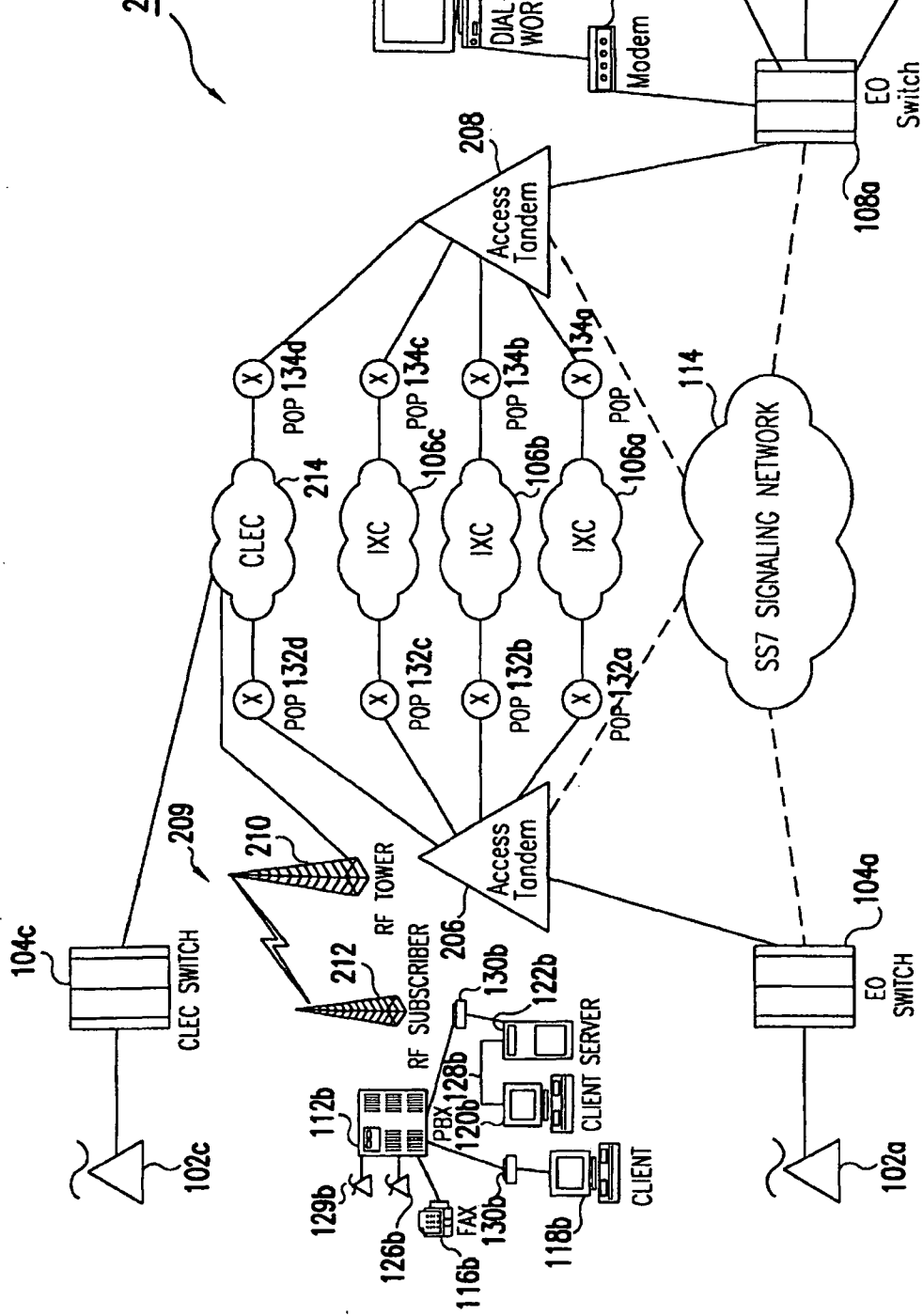
FIG.1A

FIG.1B

FIG.1C

FIG.2A

FIG.2B

FIG.2C

DOCKET ALARM
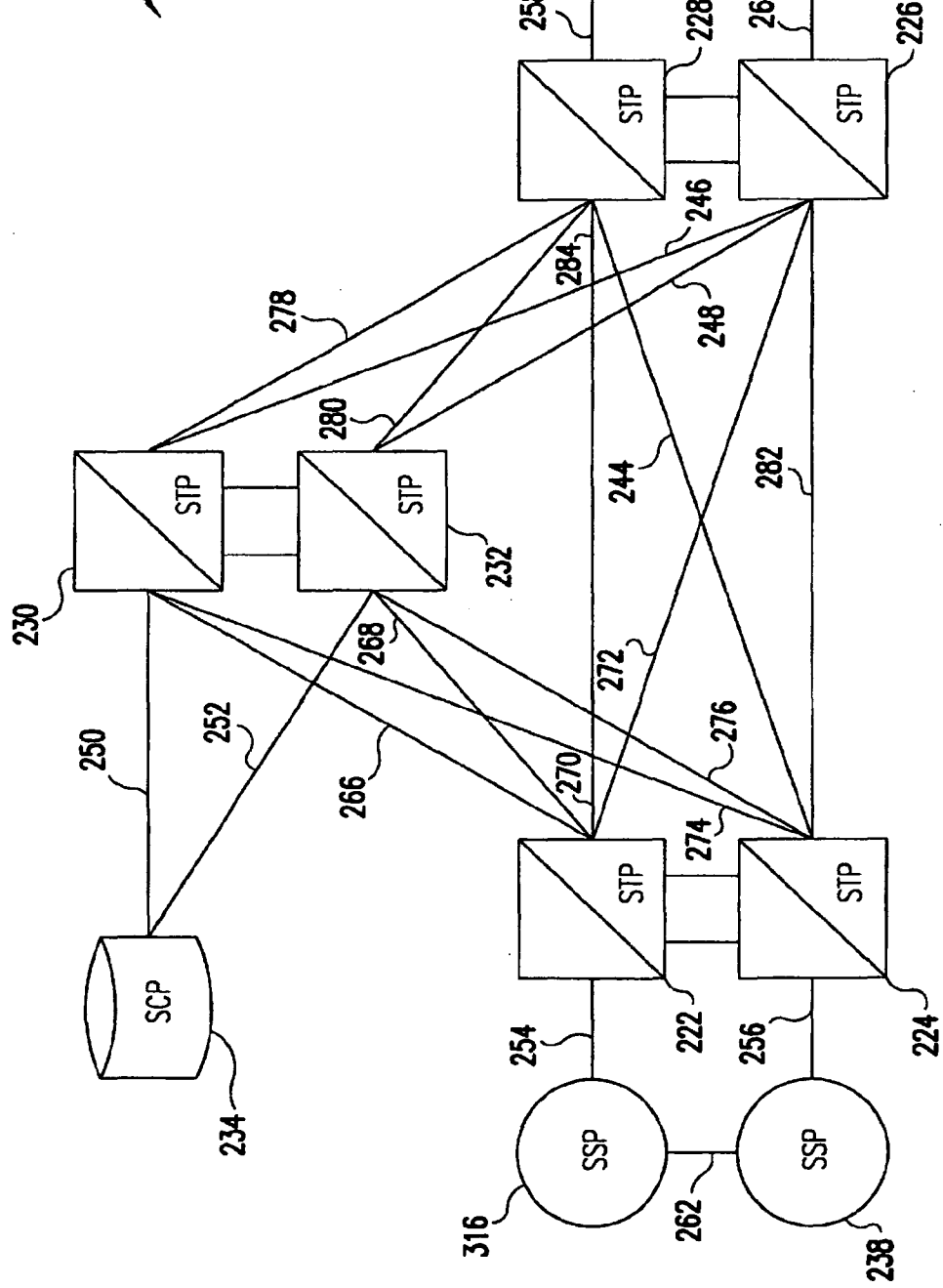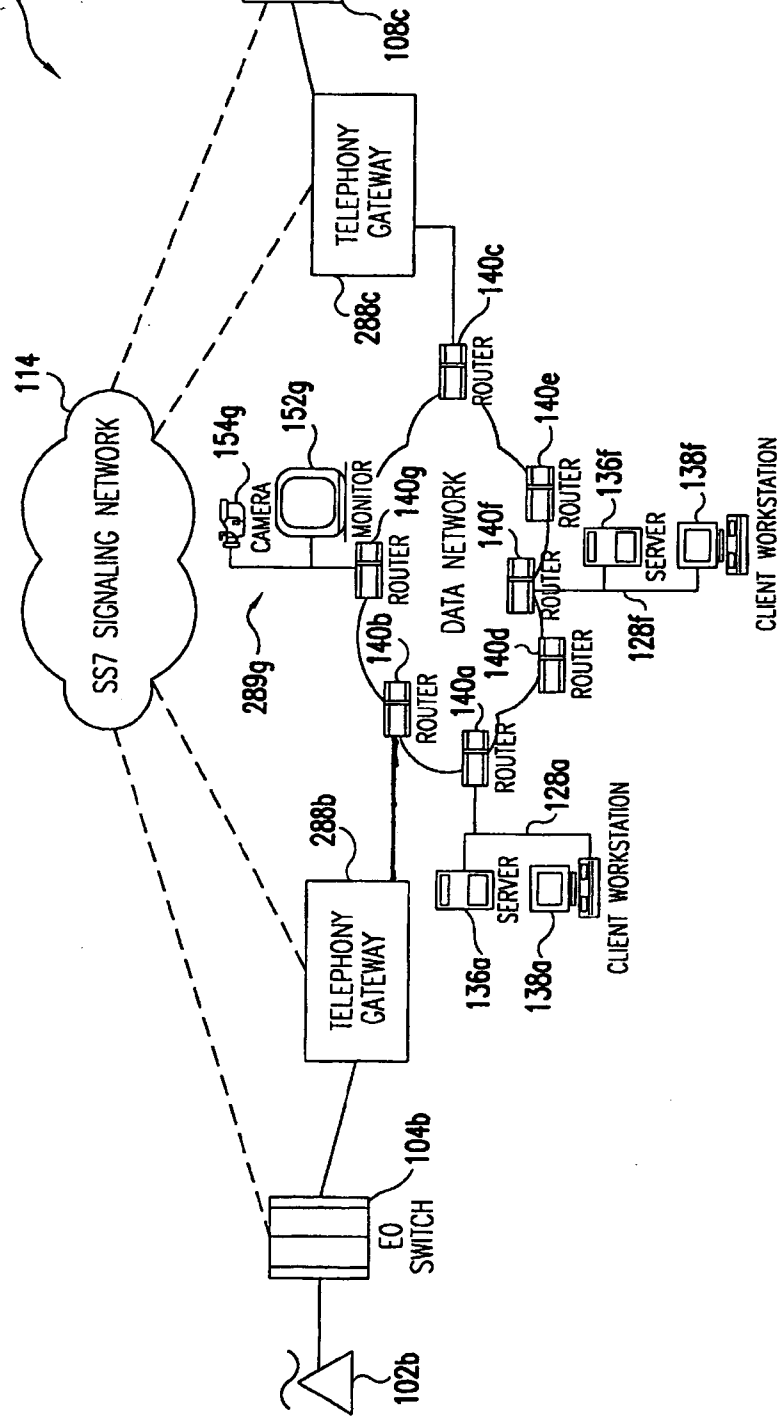
Explore Litigation Insights

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.

fastcase®
Smarter legal research.