



US 20050053034A1

(19) **United States**

(12) **Patent Application Publication**
Chiueh

(10) **Pub. No.: US 2005/0053034 A1**
(43) **Pub. Date: Mar. 10, 2005**

(54) **SYSTEM AND METHOD FOR IP HANDOFF**

(52) **U.S. Cl. 370/331**

(76) **Inventor: Tzi-cker Chiueh, East Setauket, NY (US)**

(57) **ABSTRACT**

Correspondence Address:
F. CHAU & ASSOCIATES, LLC
130 WOODBURY ROAD
WOODBURY, NY 11797 (US)

A seamless vertical handoff method allows the network applications and connections on a mobile node to continue without disruption as it moves within a wireless overlay network that comprises multiple possibly overlapping layers of wireless networks (e.g., a WLAN and a WWAN) with different underlying technologies, providing mobile roaming capabilities. The method comprises a WLAN access point signal strength monitor for determining when to switch between WLAN and WWAN, and a network connection migration scheme that can move an active network connection from a wireless link of one technology to another wireless link of a different technology in a way that is transparent to the user, the remote end of the network connection, and the operator of the WWAN carrier.

(21) **Appl. No.: 10/815,443**

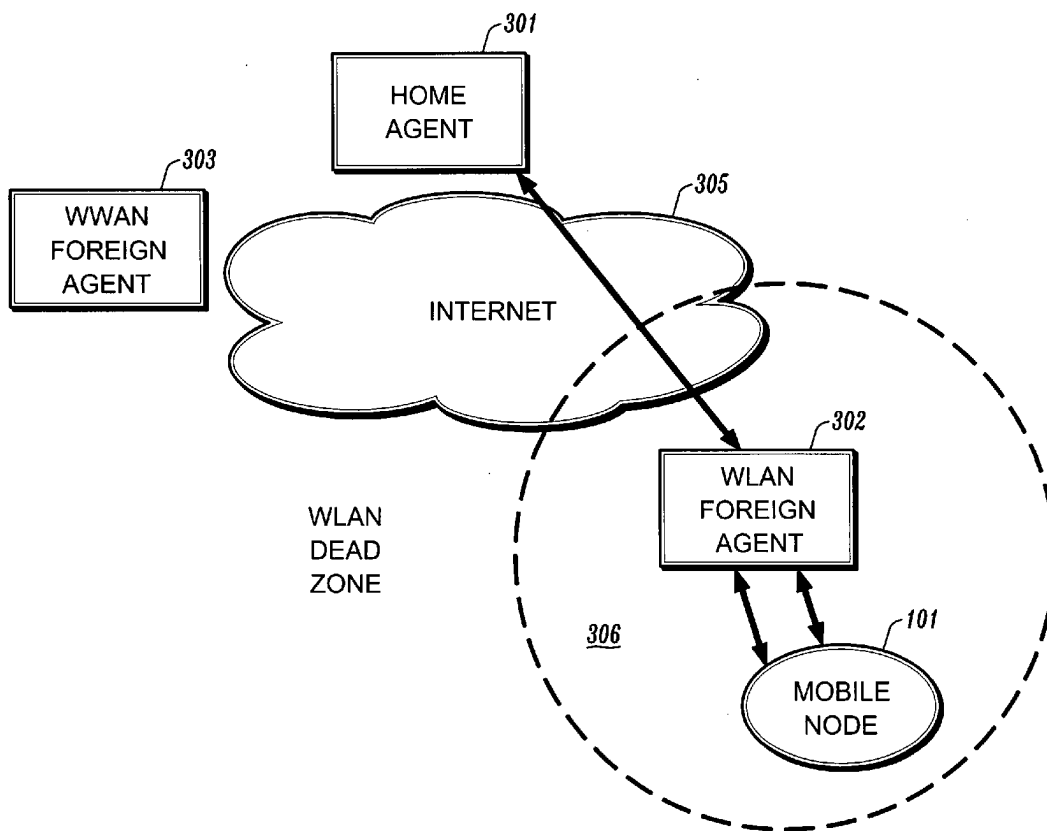
(22) **Filed: Apr. 1, 2004**

Related U.S. Application Data

(60) **Provisional application No. 60/501,114, filed on Sep. 8, 2003.**

Publication Classification

(51) **Int. Cl.⁷ H04Q 7/00**



Bose Exhibit 1103
Bose v. Koss
IP 0001-00007

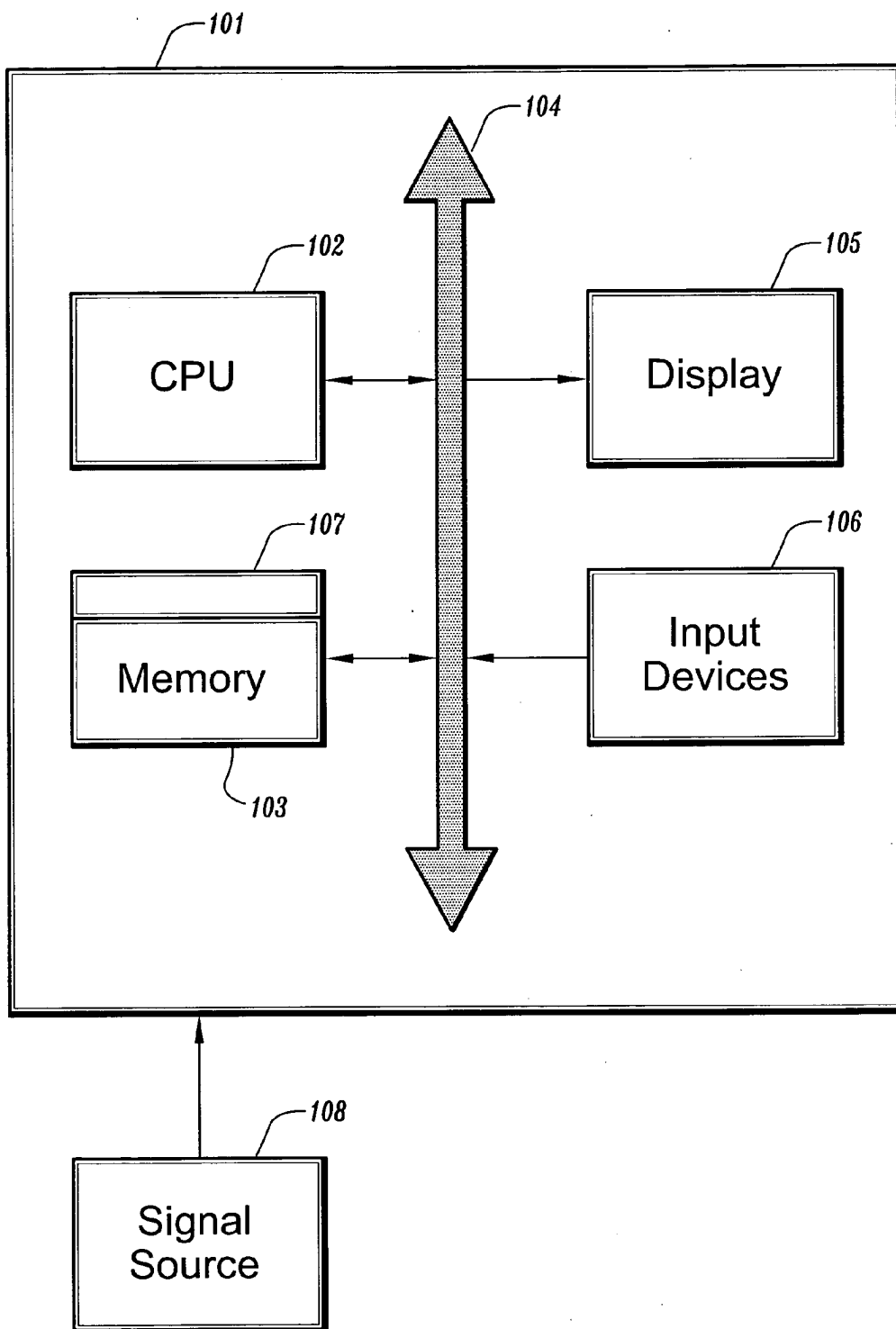
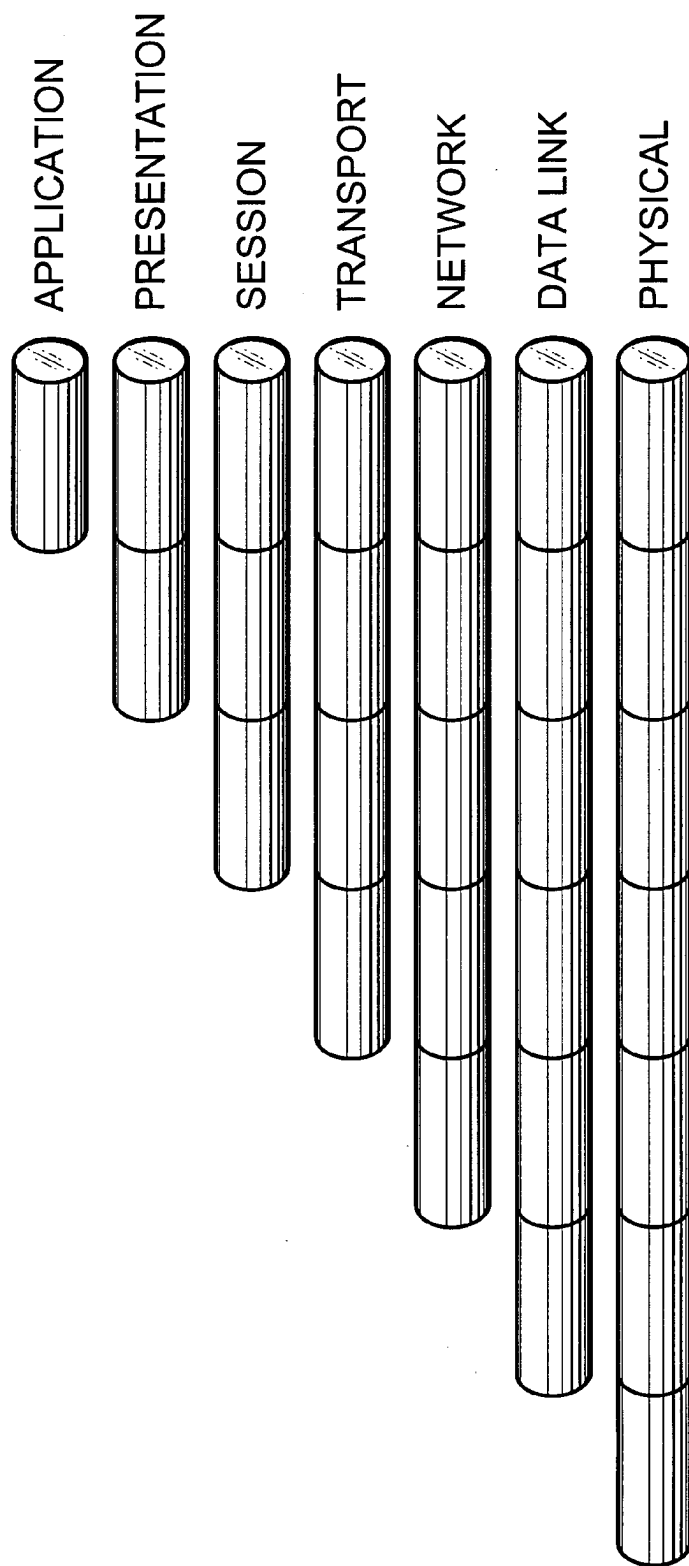


FIG. 1



OSI PROTOCOL STACK

FIG. 2
(Prior Art)

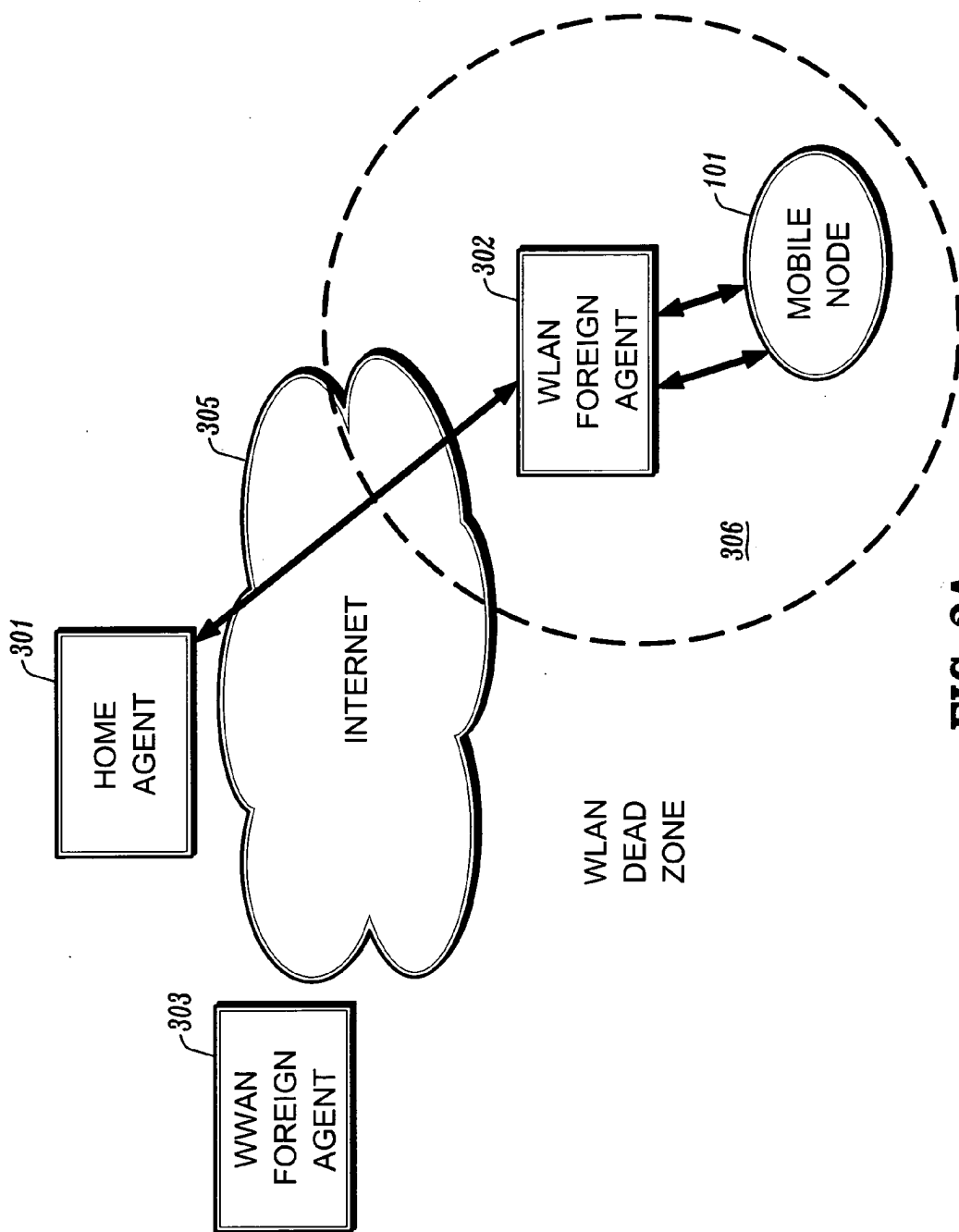


FIG. 3A

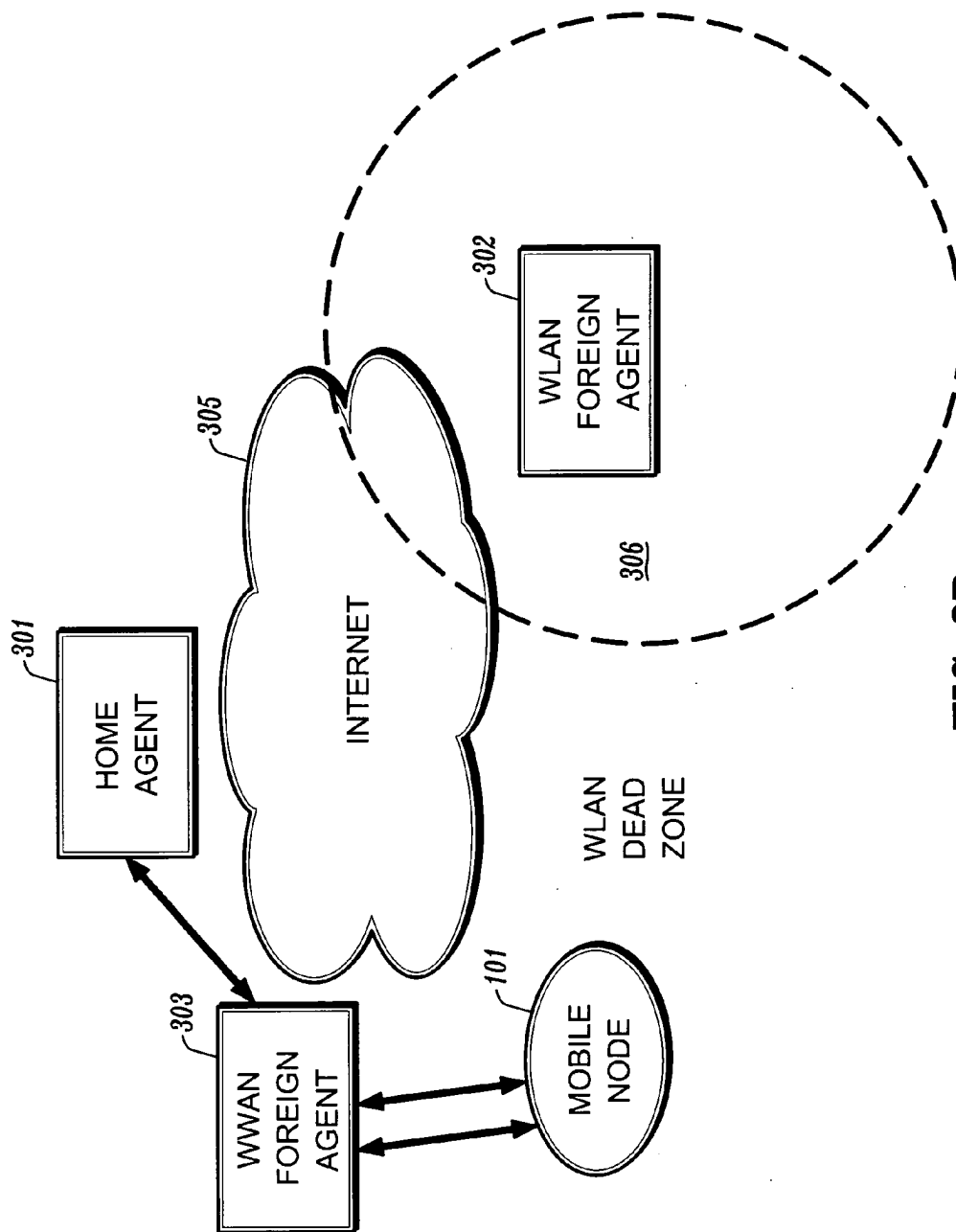


FIG. 3B

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.