

[54] **METHOD AND APPARATUS FOR PROVIDING A 3-WAY CONNECTION BETWEEN A MOBILE COMPUTING DEVICE, A STATIONARY COMPUTING DEVICE AND A COMPUTER NETWORK**

5,473,608	12/1995	Gagne et al.	370/401
5,550,816	8/1996	Hardwick et al.	370/401
5,572,528	11/1996	Shuen	370/402
5,717,737	2/1998	Doviak et al.	455/403

[75] Inventors: **Roger Yiu Ming Cheung**, Scarborough;  
**Murray Charles Baker**, Toronto;  
**David Newton**, Concord, all of Canada

*Primary Examiner*—Mark H. Rinehart  
*Attorney, Agent, or Firm*—Edward H. Duffield

[73] Assignee: **International Business Machines Corporation**, Armonk, N.Y.

[57] **ABSTRACT**

[21] Appl. No.: **08/755,422**

[22] Filed: **Nov. 22, 1996**

[30] **Foreign Application Priority Data**

Jun. 18, 1996 [CA] Canada ..... 2179349

[51] **Int. Cl.**<sup>6</sup> ..... **G06F 13/38**; G06F 15/17

[52] **U.S. Cl.** ..... **395/200.8**; 395/200.57;  
 395/200.66; 370/463

[58] **Field of Search** ..... 395/200.3, 200.57,  
 395/200.66, 200.8; 370/401, 338, 402, 463

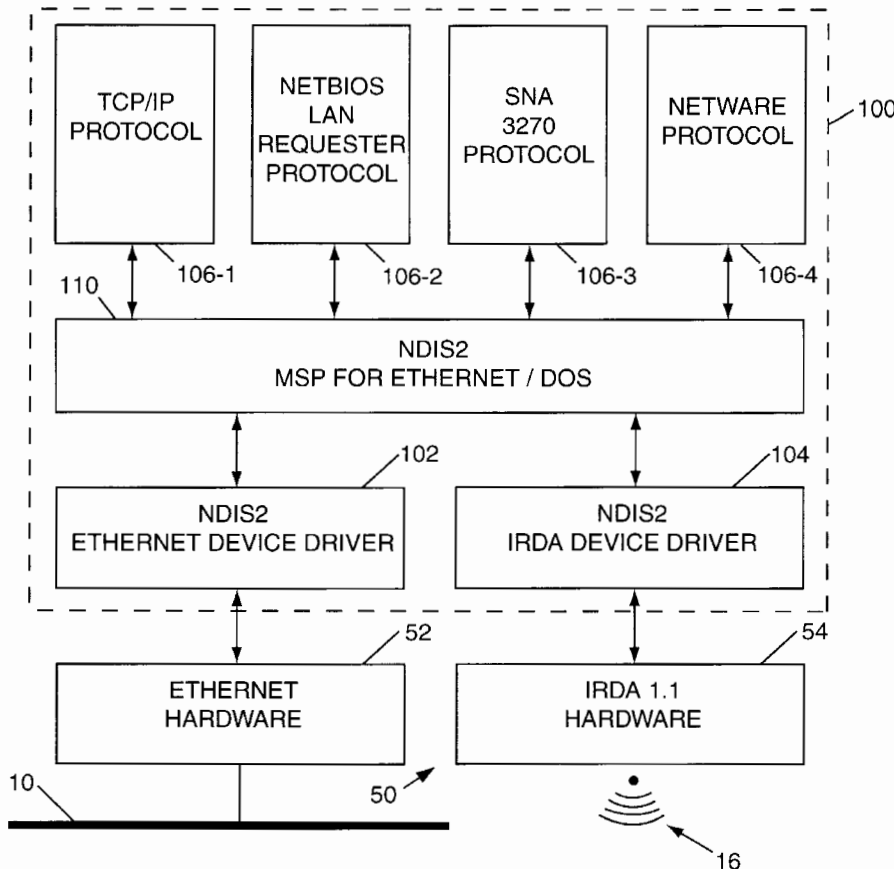
[56] **References Cited**

**U.S. PATENT DOCUMENTS**

5,159,592 10/1992 Perkins ..... 370/401

A method and apparatus for providing a three-way connection between a mobile computing device, a stationary computing device and a computer network. When there is an established connection between a mobile computing device (e.g. a notebook computer) and the stationary computing device (e.g. desktop PC) over the wireless communication channel (e.g. infrared link), the system operates in BRIDGE mode. In BRIDGE mode the system redirects information packets in the OSI layer 2 (data link layer). When a notebook computer is not attached, the system operates in PASSTHROUGH mode and all non-broadcast message traffic from the Ethernet LAN is filtered by the Ethernet adapter based on the network address or group address of the desktop PC.

**18 Claims, 4 Drawing Sheets**



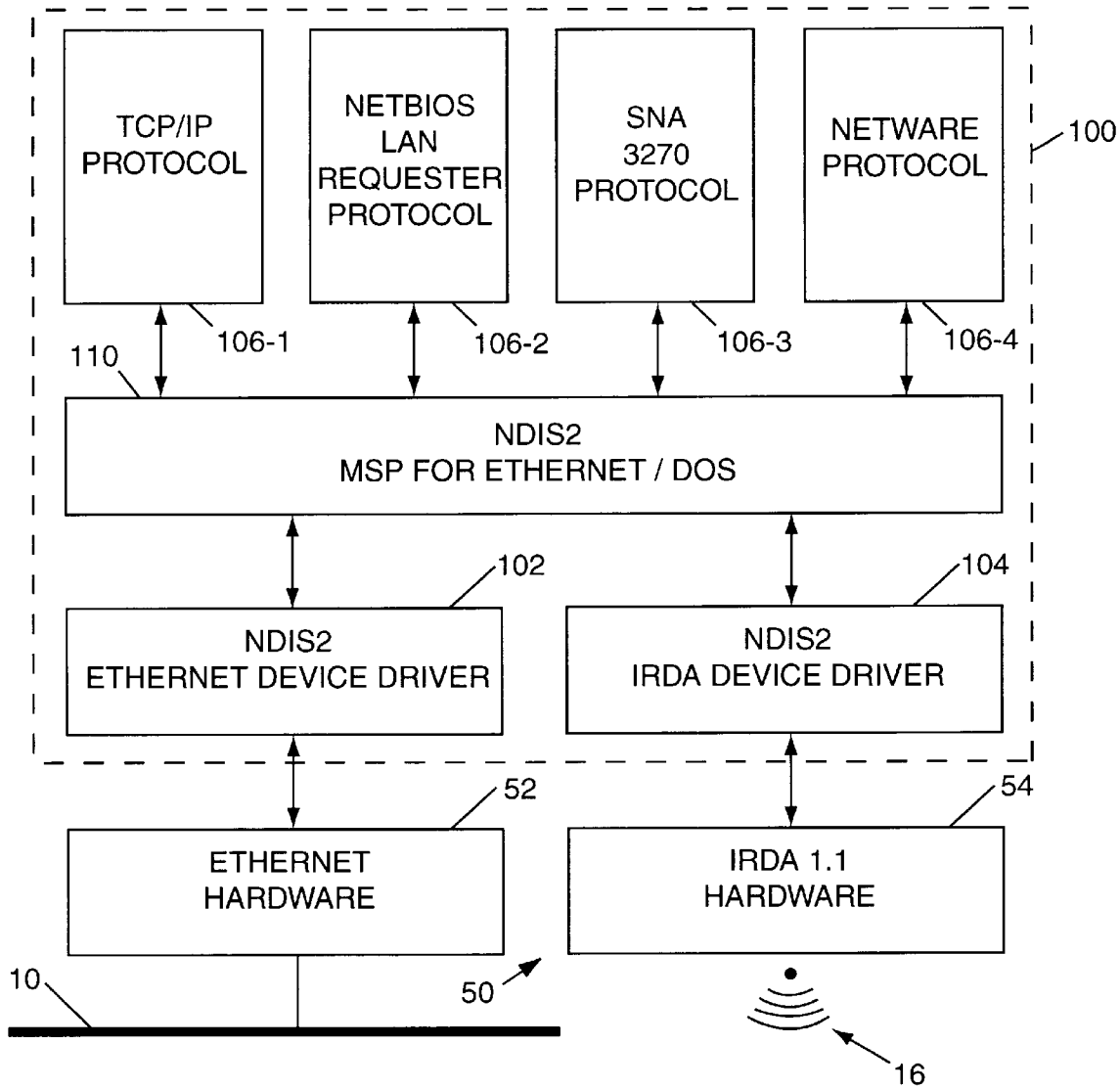


FIG.1

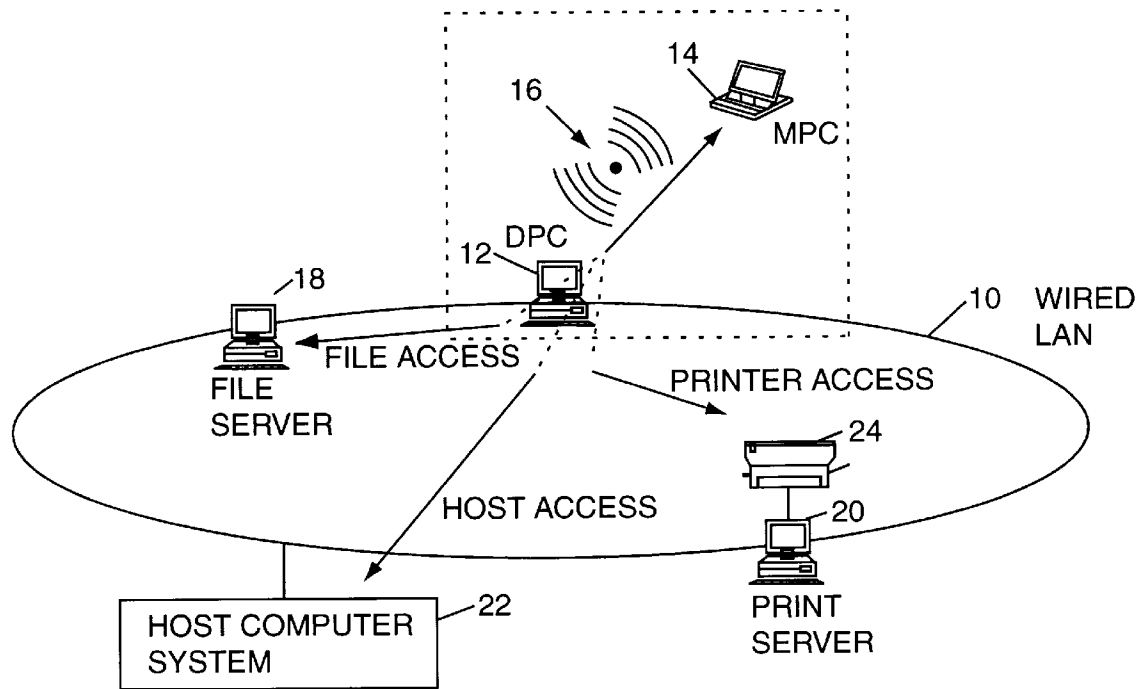


FIG.2

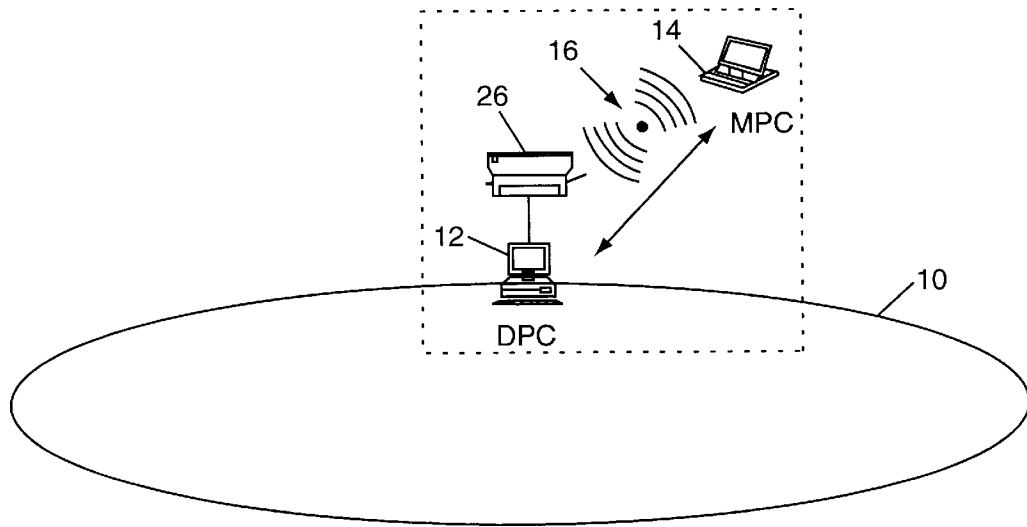


FIG. 3

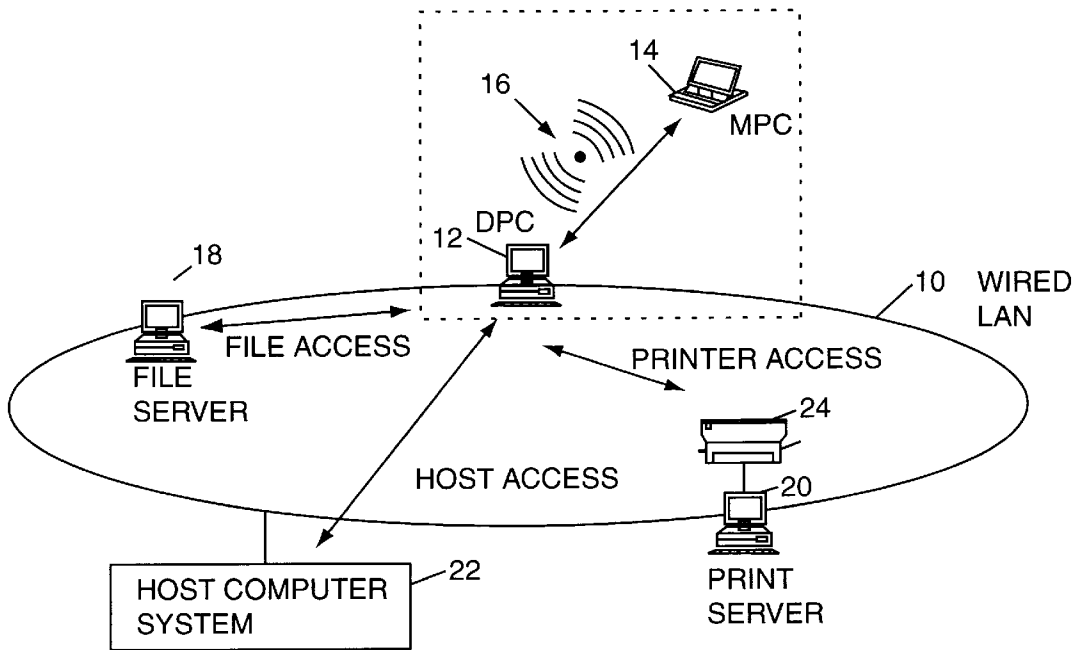


FIG. 4

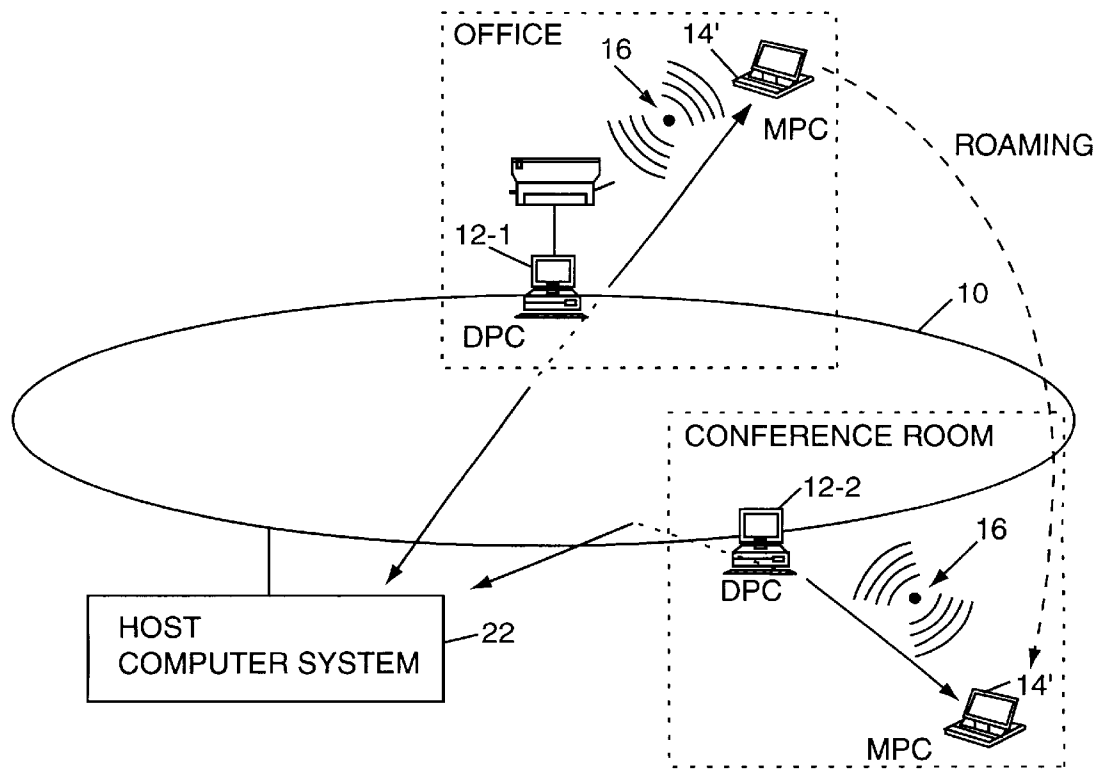


FIG.5

# 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.