



- [54] **METHOD AND APPARATUS FOR DETECTING THE PRESENCE OF A REMOTE DEVICE AND PROVIDING POWER THERETO**
- [75] Inventors: **Wen F. Chang**, Saratoga; **Fang C. Yu**, Fremont, both of Calif.
- [73] Assignee: **Clarinet Systems, Inc.**, San Jose, Calif.
- [21] Appl. No.: **08/872,977**
- [22] Filed: **Jun. 11, 1997**
- [51] Int. Cl.<sup>6</sup> ..... **G06F 1/26**
- [52] U.S. Cl. .... **713/300; 710/62**
- [58] Field of Search ..... 395/750.01, 750.08, 395/200; 713/300; 710/62

- 5,802,305 9/1998 McKaughan et al. .... 395/750.02
- 5,805,904 9/1998 Jung ..... 395/750.01
- 5,845,150 12/1998 Henion ..... 395/750.08

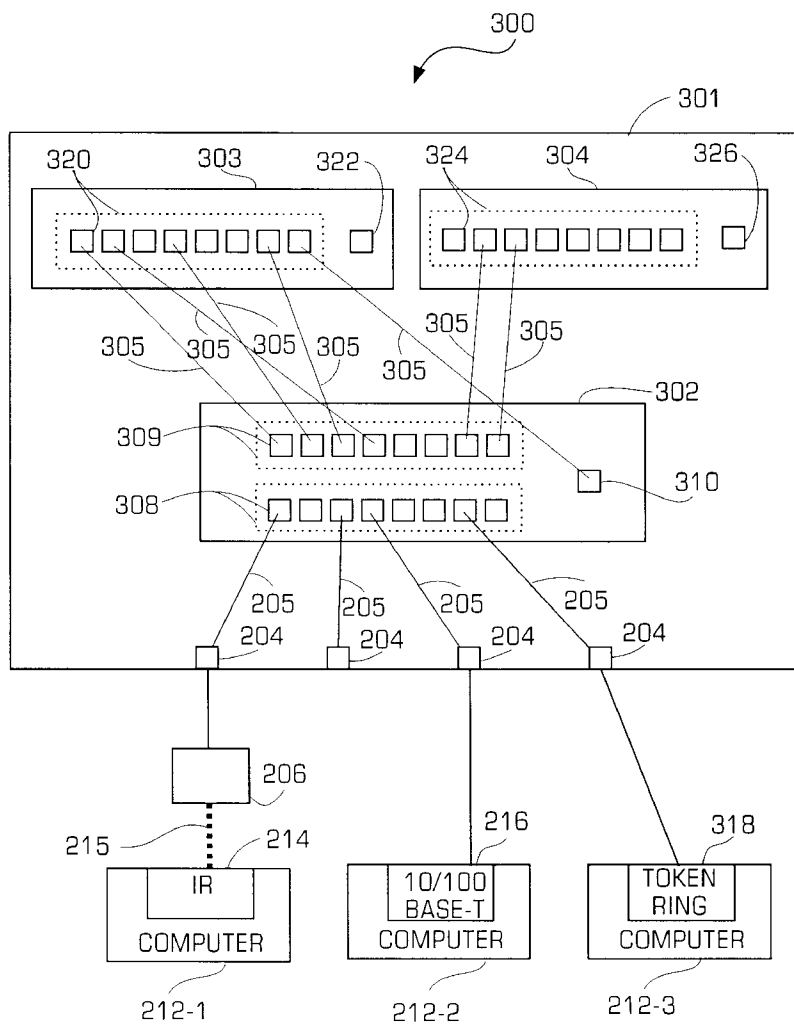
Primary Examiner—Glenn A. Auve  
 Assistant Examiner—David A. Wiley  
 Attorney, Agent, or Firm—Gray, Cary, Ware & Freidenrich

[57] **ABSTRACT**

A network system includes a network that detects the presence of a remote terminal connected to a network and determines the functional protocol of the remote terminal. If the remote terminal is an infrared adapter, the network hub provides electrical power to the infrared adapter and continually monitors for the presence of the infrared adapter. Upon removal of the infrared adapter, the network removes electrical power that is applied to a user interface connector that connects to the infrared adapter. If another protocol is detected for the remote terminal, the network hub communicates with the remote terminal in that protocol and converts the data to the protocol of the network.

- [56] **References Cited**
- U.S. PATENT DOCUMENTS
- 5,652,893 7/1997 Ben-Meir et al. .... 395/750.01

**18 Claims, 10 Drawing Sheets**



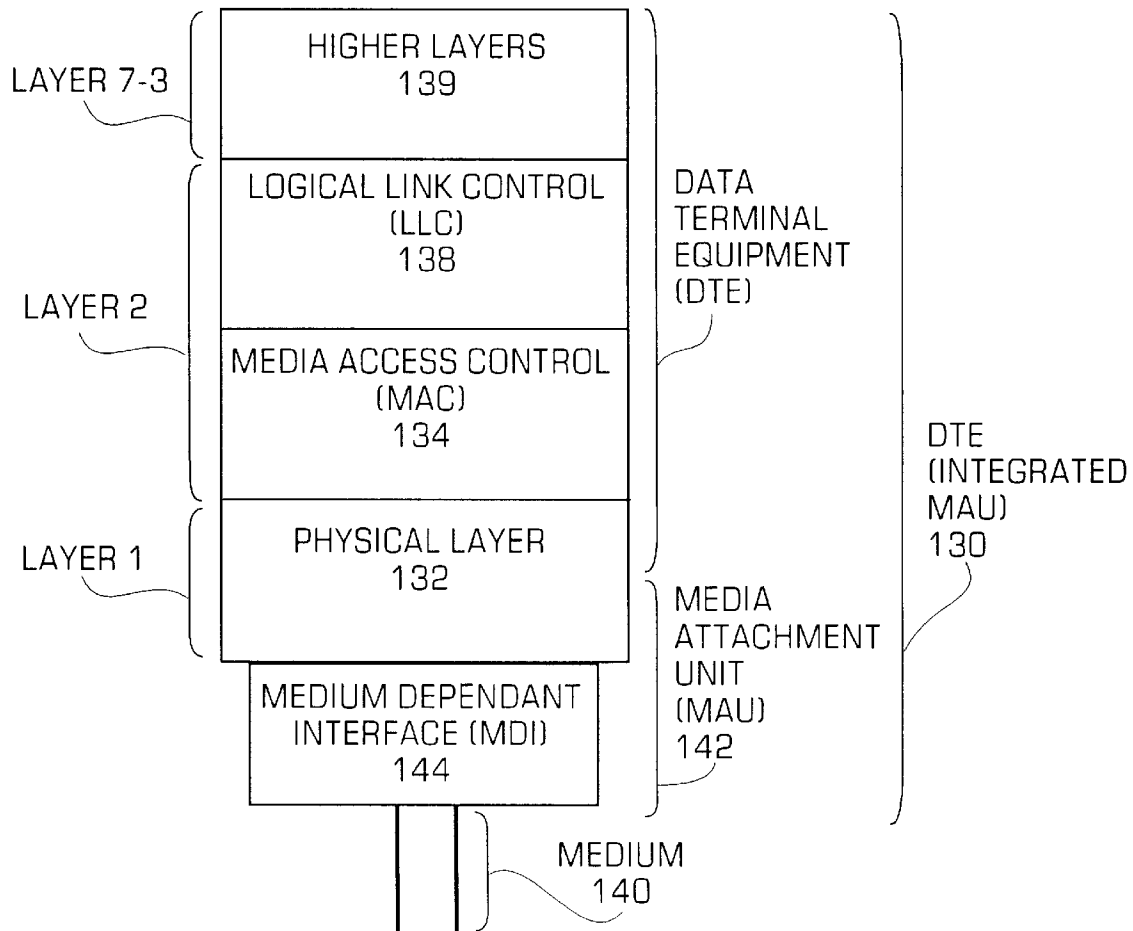


FIGURE 1

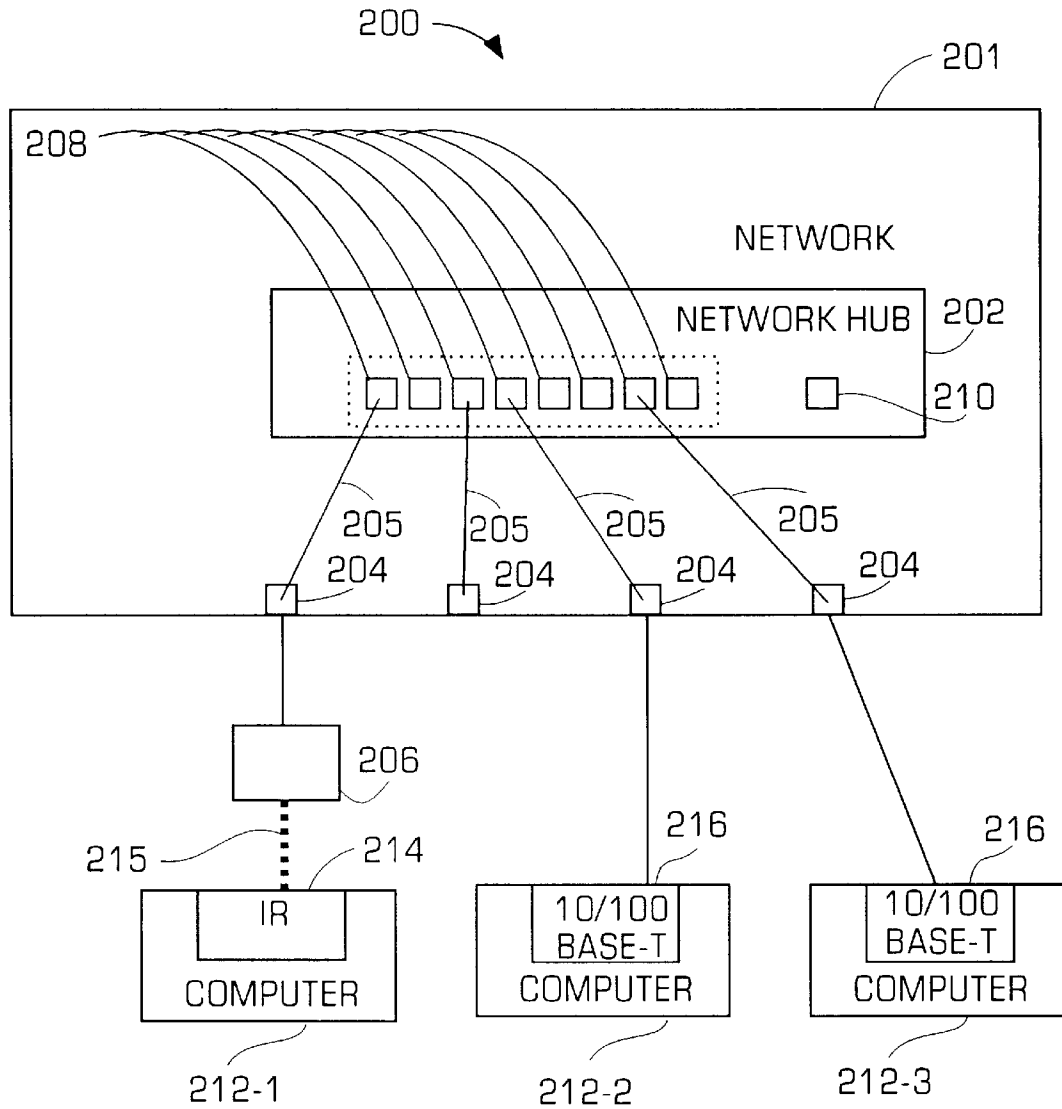


FIGURE 2

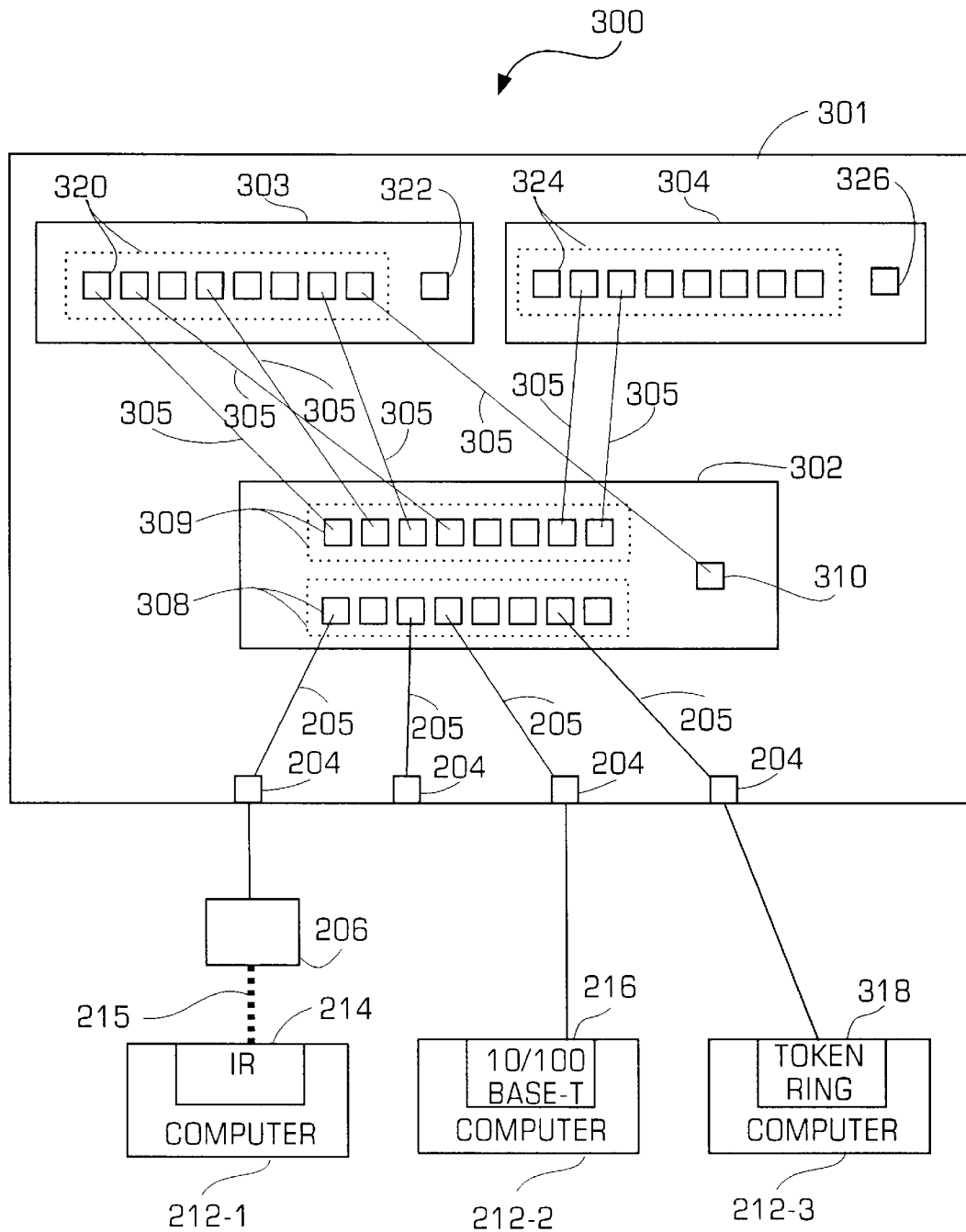


FIGURE 3



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