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(12) **United States Patent**  
**Wilson**

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(54) **INTERNET PHONE SYSTEM AND  
DIRECTORY SEARCH ENGINE USING  
SAME**

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patent is extended or adjusted under 35  
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(22) **Filed:** **Dec. 31, 1996**

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(51) **Int. Cl.**<sup>7</sup> ..... **H04J 12/66; H04M 11/00**

(52) **U.S. Cl.** ..... **370/352; 379/90.01**

(58) **Field of Search** ..... **370/352, 353,**  
**370/354, 355, 356; 379/93.27, 93.01, 96.01,**  
**93.05, 93.07, 93.08, 93.09; 709/245; 375/222**

\* cited by examiner

*Primary Examiner*—Duc Ho  
*Assistant Examiner*—Phuongchau Ba Nguyen

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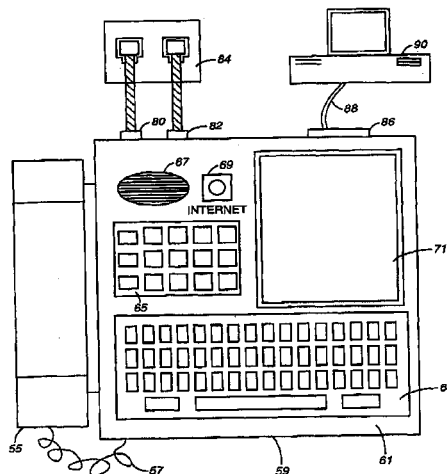
(57) **ABSTRACT**

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An Internet compatible dialer pad is used to dial into an  
Internet server to provide services similar to those found on  
the Plain Old Telephone System ("POTS"). The dialer pad  
has an integrated modem set, an extended keypad with  
alphanumeric entry keys and function keys, display screen  
and display electronics that renders visual call progress  
information to the user as well as other communications  
indicators and related information about the current Internet  
connection. The dialer uses the Public Switched Telephone  
System ("PSTN") and standard LAN/WAN technology to  
give the user entry into a plurality of Internet calling  
functions. An Internet database is maintained and permits  
the dialing party to obtain callee information by entering  
alphanumeric characters via the dialer. Links from the PSTN  
to an Internet data base are not restricted to a specific digital  
data protocol.

**28 Claims, 6 Drawing Sheets**



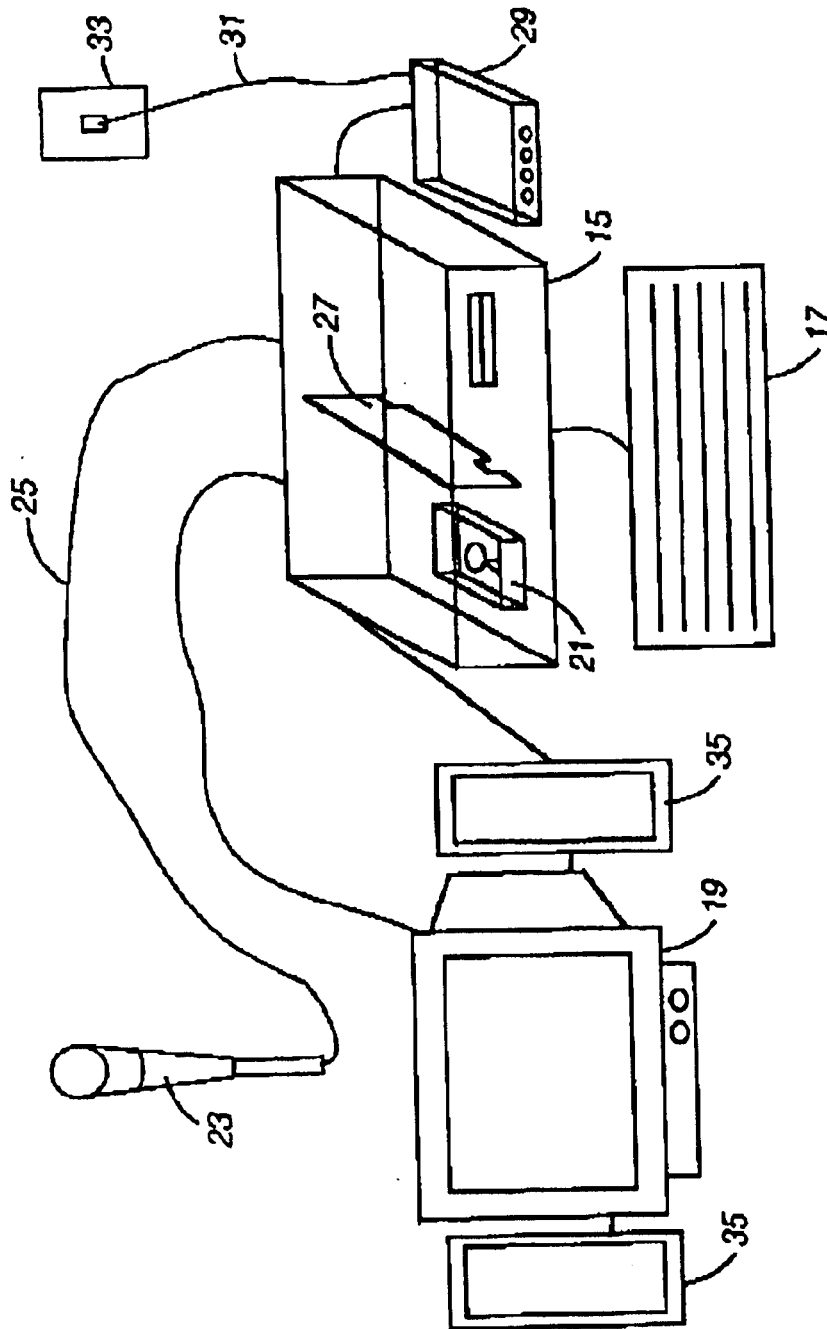


FIG. 1  
Prior Art



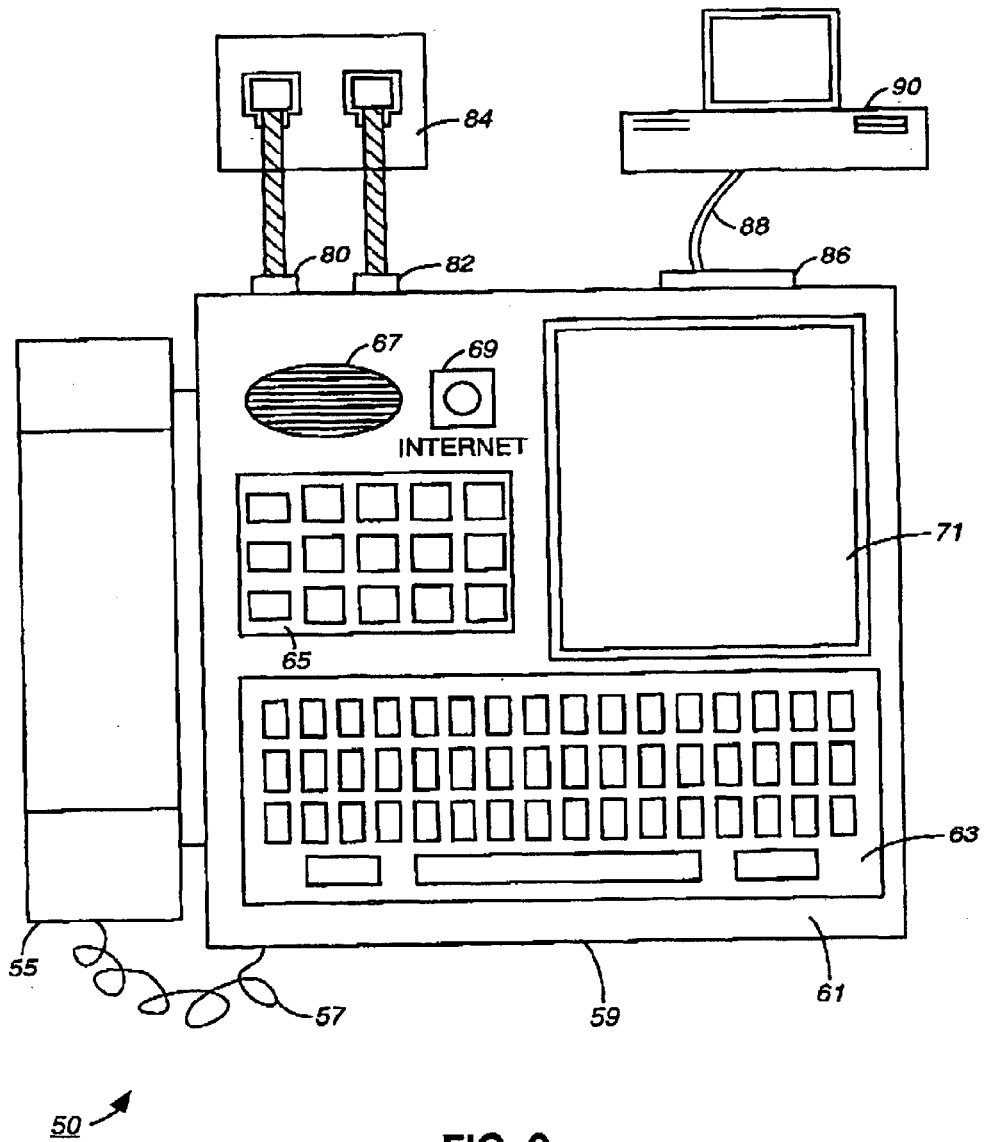


FIG. 2

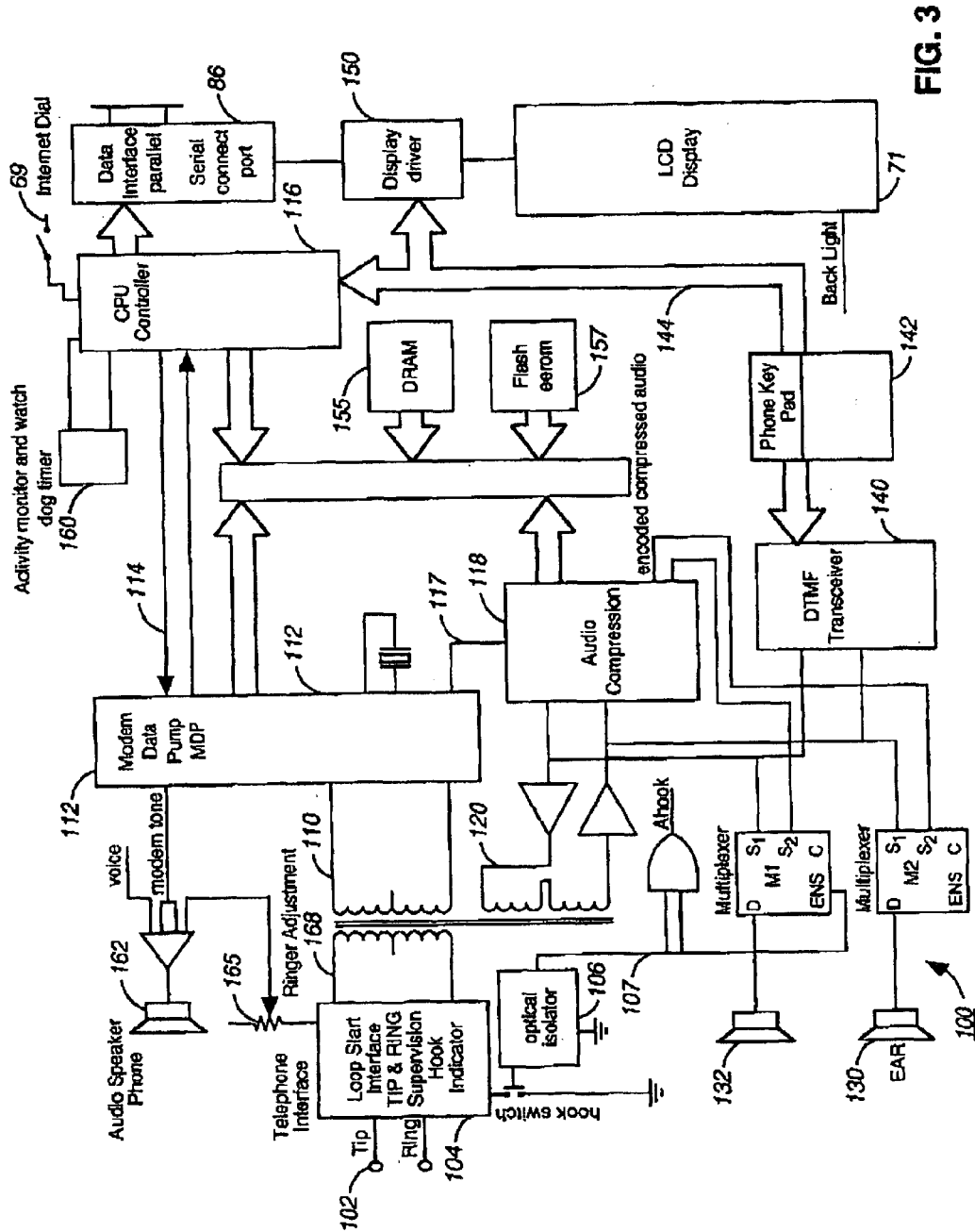


FIG. 3

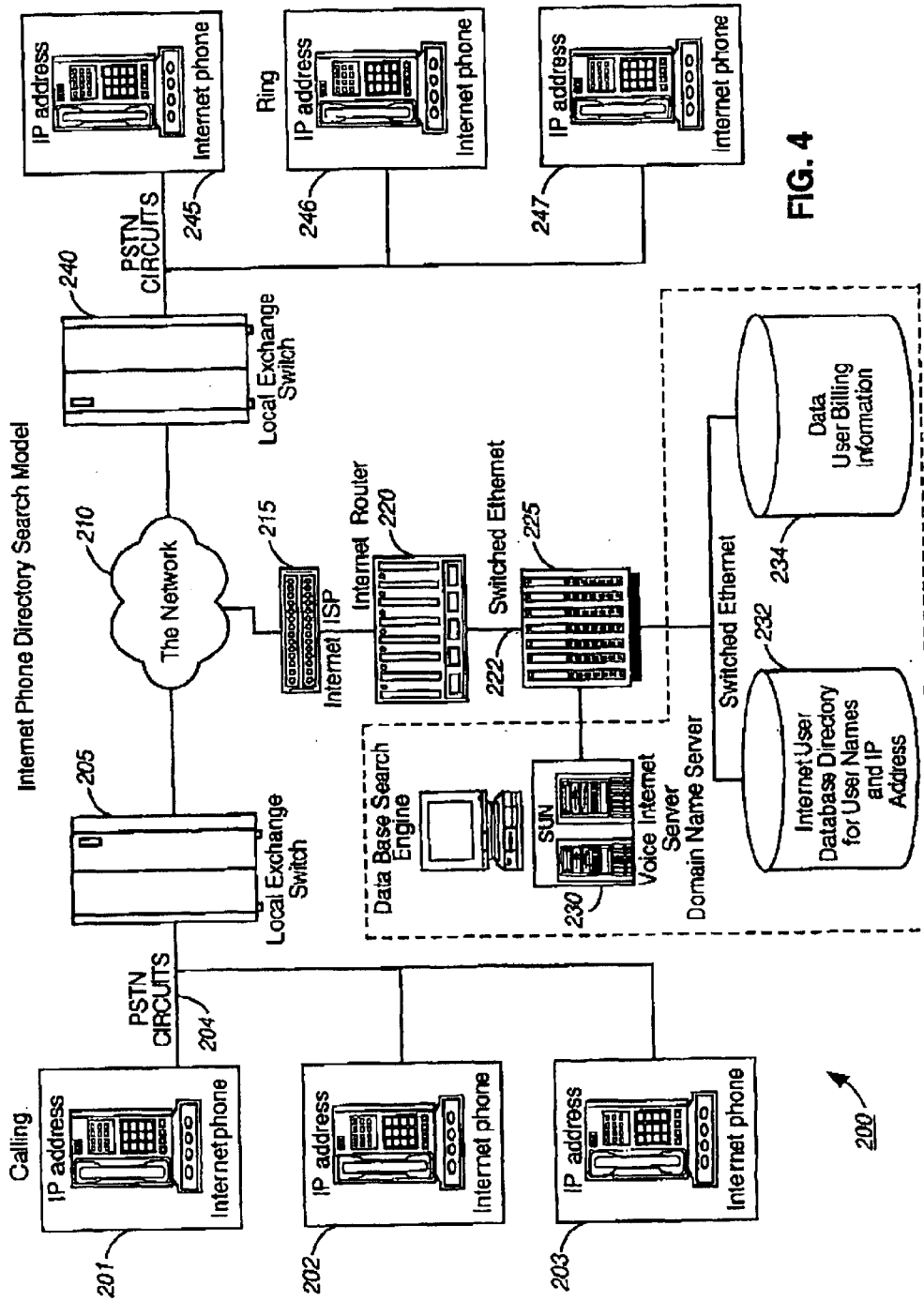


FIG. 4

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