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(54) **PROVIDING REMOTE NETWORK DRIVER INTERFACE SPECIFICATION SERVICES OVER A WIRELESS RADIO-FREQUENCY MEDIUM**

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(52) **U.S. Cl.** **455/41.2**; 455/557; 455/528; 455/463; 709/315; 709/331; 709/332; 710/62; 710/63; 710/8; 710/65
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(57) **ABSTRACT**

The present invention provides a method and computer program product for providing, over a RF link conforming to the Bluetooth specification, a network message protocol which is bus-independent and was originally designed for bus-attached networking devices. One such network message protocol is the NDIS device management protocol. In such a manner, many computer software products designed to operate over a hard-wired (or bus-attached) network can also be used over a Bluetooth wireless network.

18 Claims, 3 Drawing Sheets
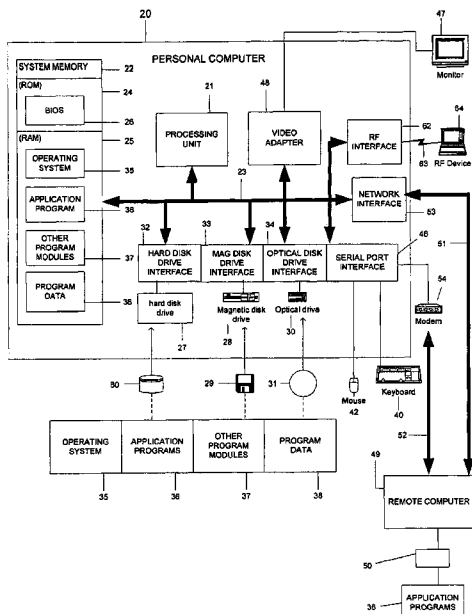
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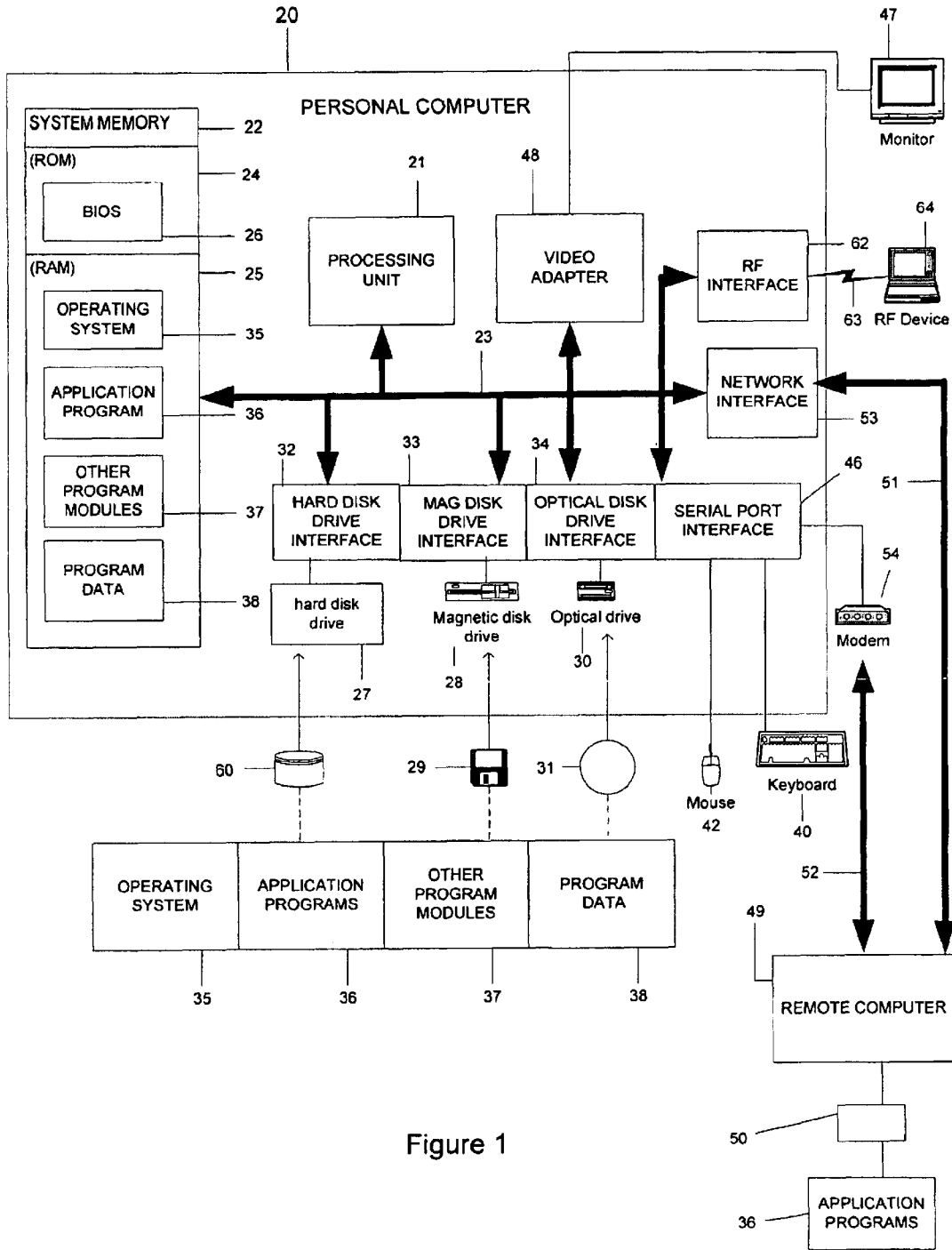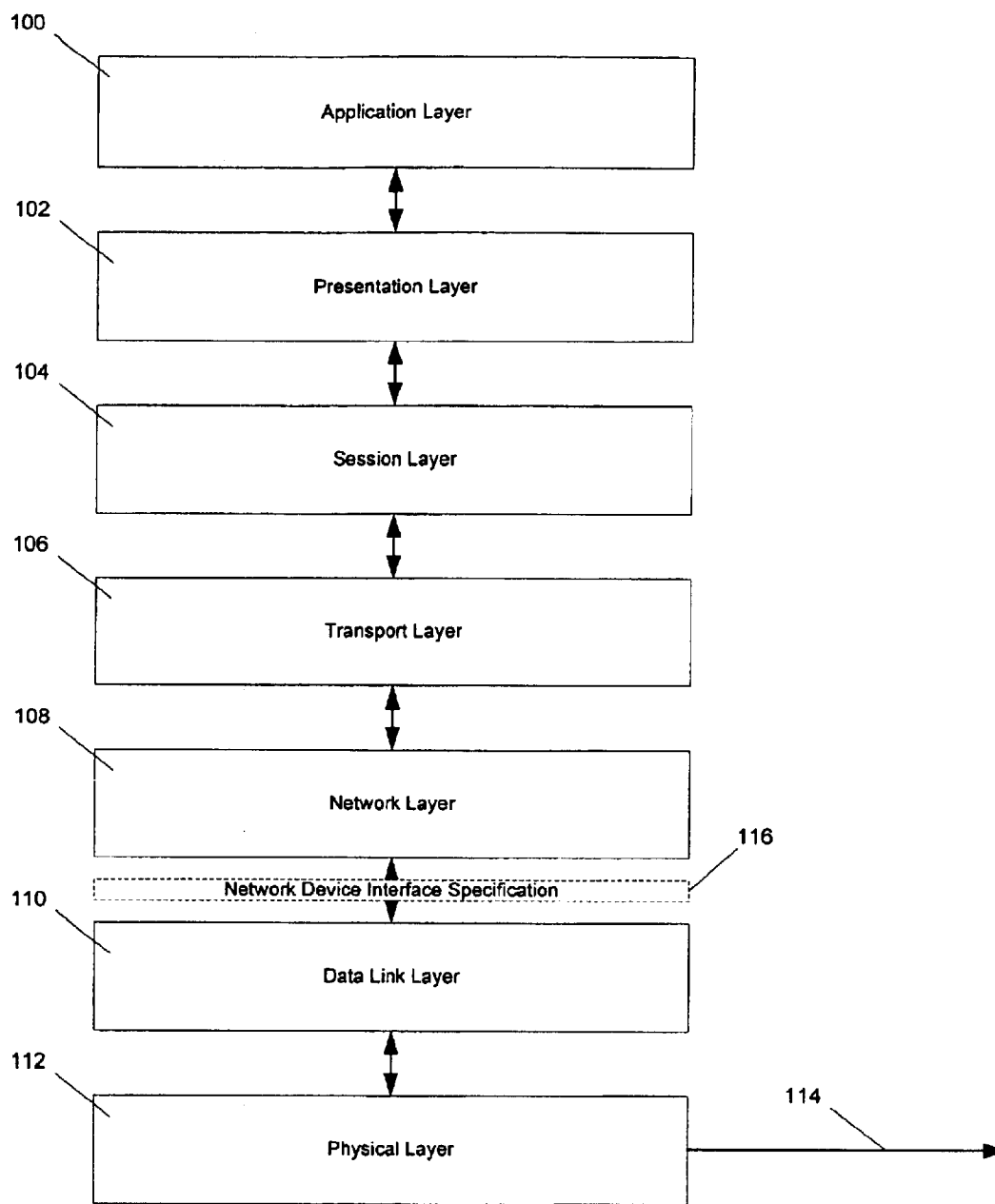
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Figure 1

100

Application Layer

102

Presentation Layer

104

Session Layer

106

Transport Layer

108

Network Layer

116

Network Device Interface Specification

110

Data Link Layer

112

114

Physical Layer

Figure 2

152

Host Remote NDIS Networking Driver

164

Bluetooth Host

150

160

Bluetooth Device

162

154

158

Media Access Control Layer
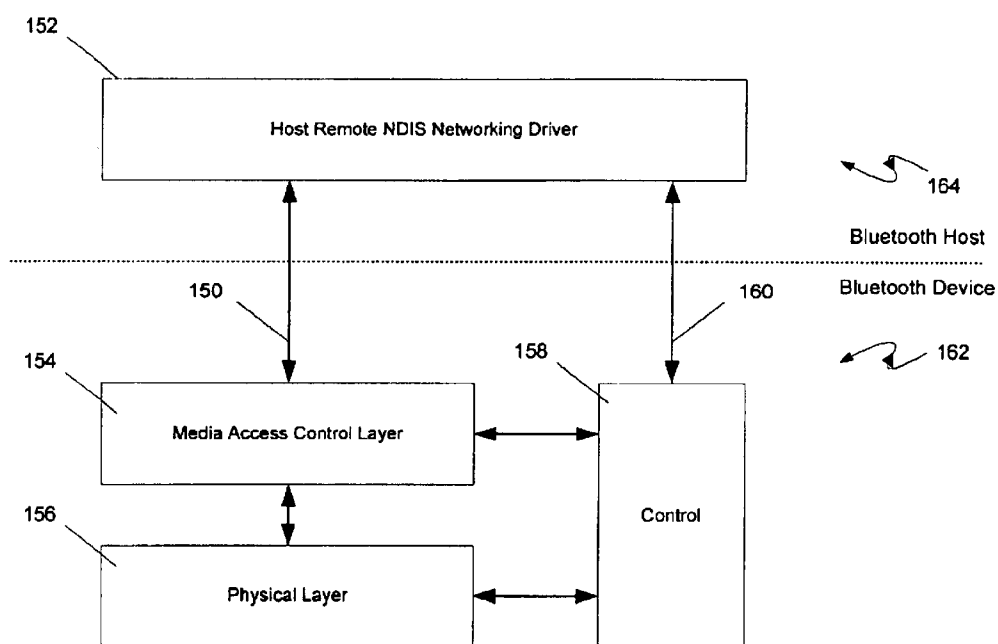
Control

156

Physical Layer

Figure 3

DOCKET ALARM

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