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(54) **SMALL-SCALE, INTEGRATED VEHICLE
TELEMATICS DEVICE**

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(52) U.S. Cl. **701/29; 701/36**
(58) Field of Search 701/29-33, 36

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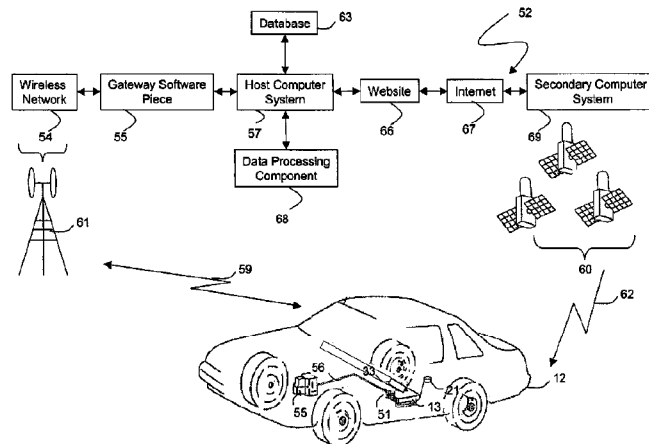
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(57) **ABSTRACT**

Embodiments of the present invention relate to a wireless
appliance for monitoring a vehicle. In an embodiment, the
appliance includes: (1) a microprocessor; (2) a vehicle-
communication circuit; (3) a GPS module; and (4) a wireless
transmitter. The wireless transmitter receives and transmits
location-based data generated by the GPS module and
diagnostic data collected by the vehicle-communication
circuit. The vehicle-communication circuit is integrated into
a single ASIC that includes modules for managing different
vehicle-communication protocols, such as, for example,
J1850 PWM, J1850 VPWM, ISO 9141-2, CAN, Keyword
2000, and J170S.

79 Claims, 8 Drawing Sheets



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Exhibit 1010

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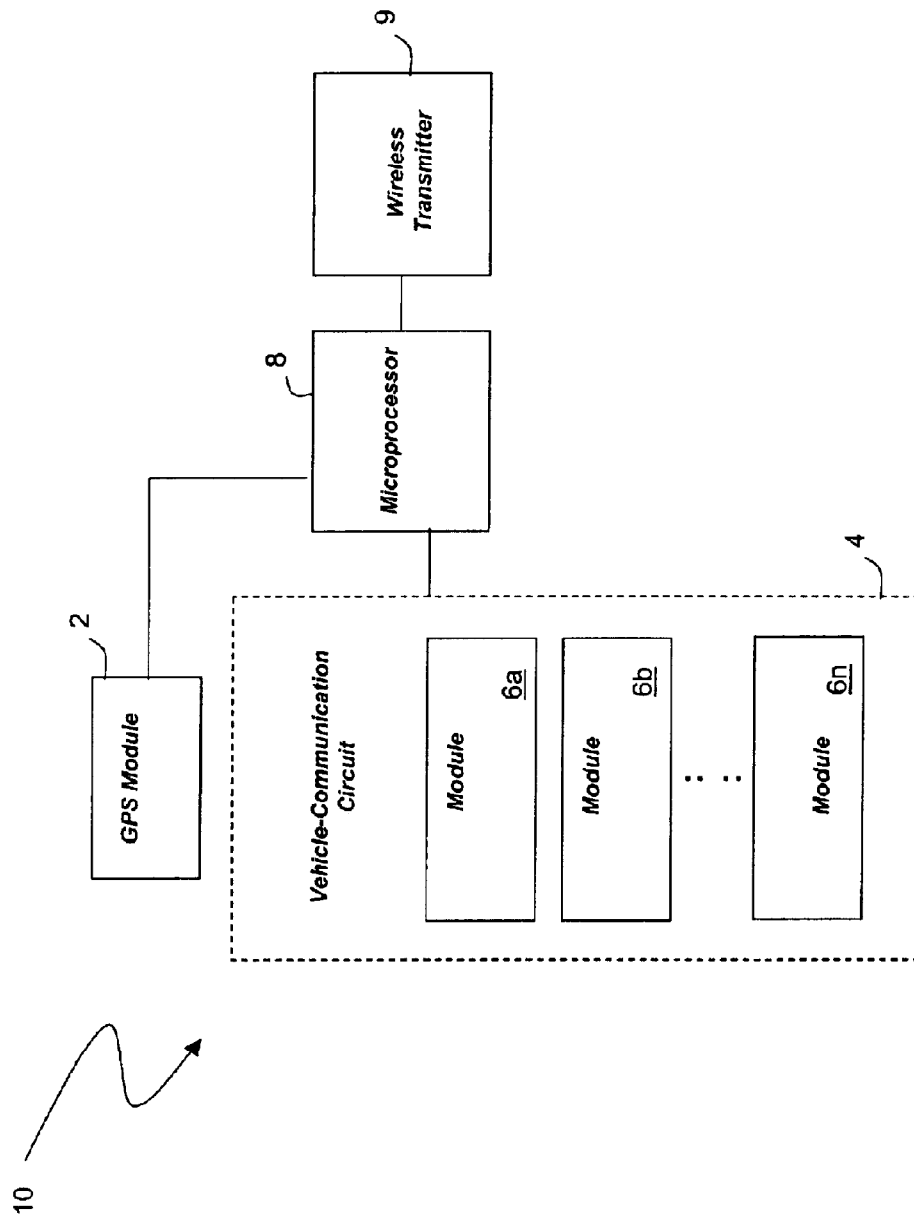


Fig. 1A

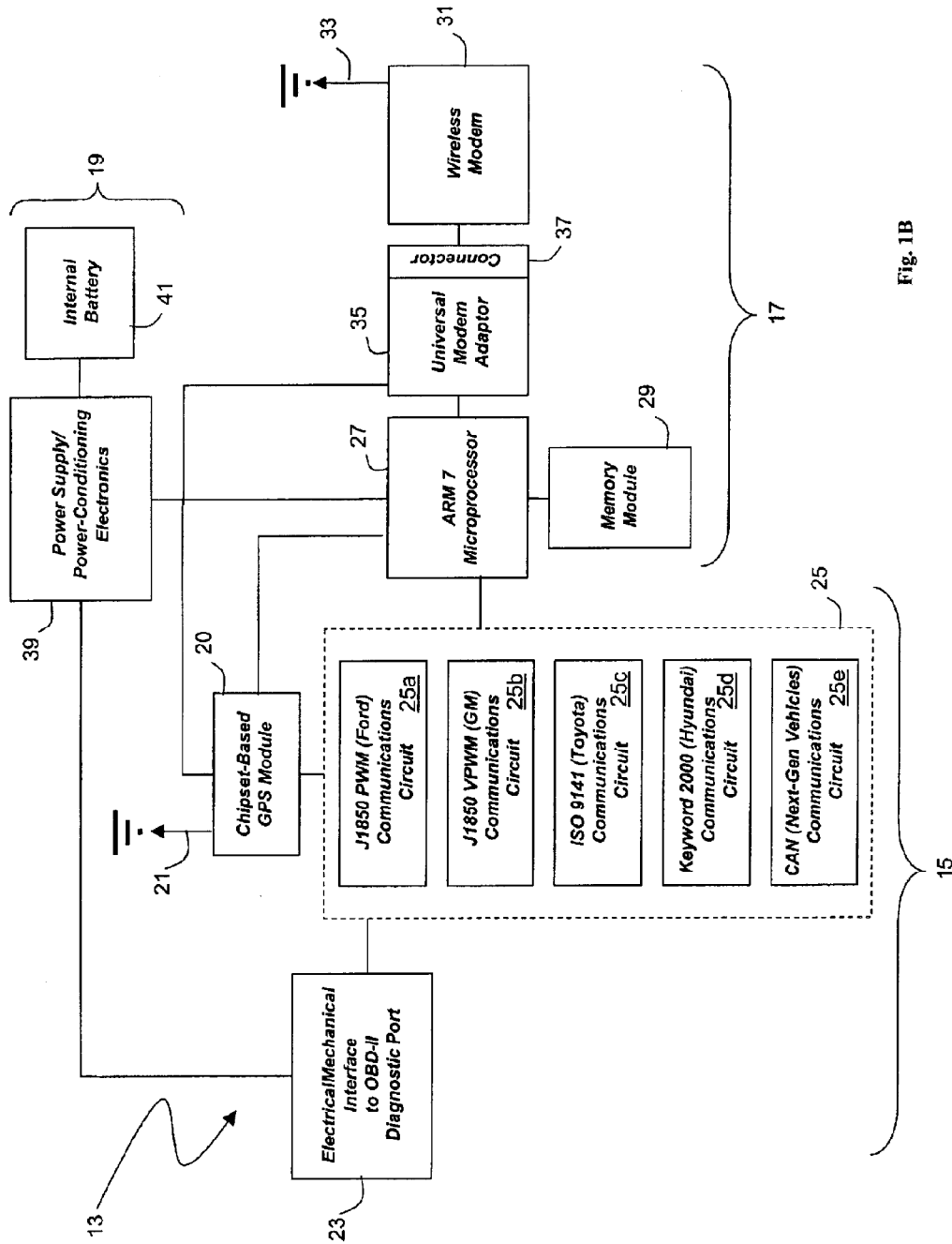


Fig. 1B

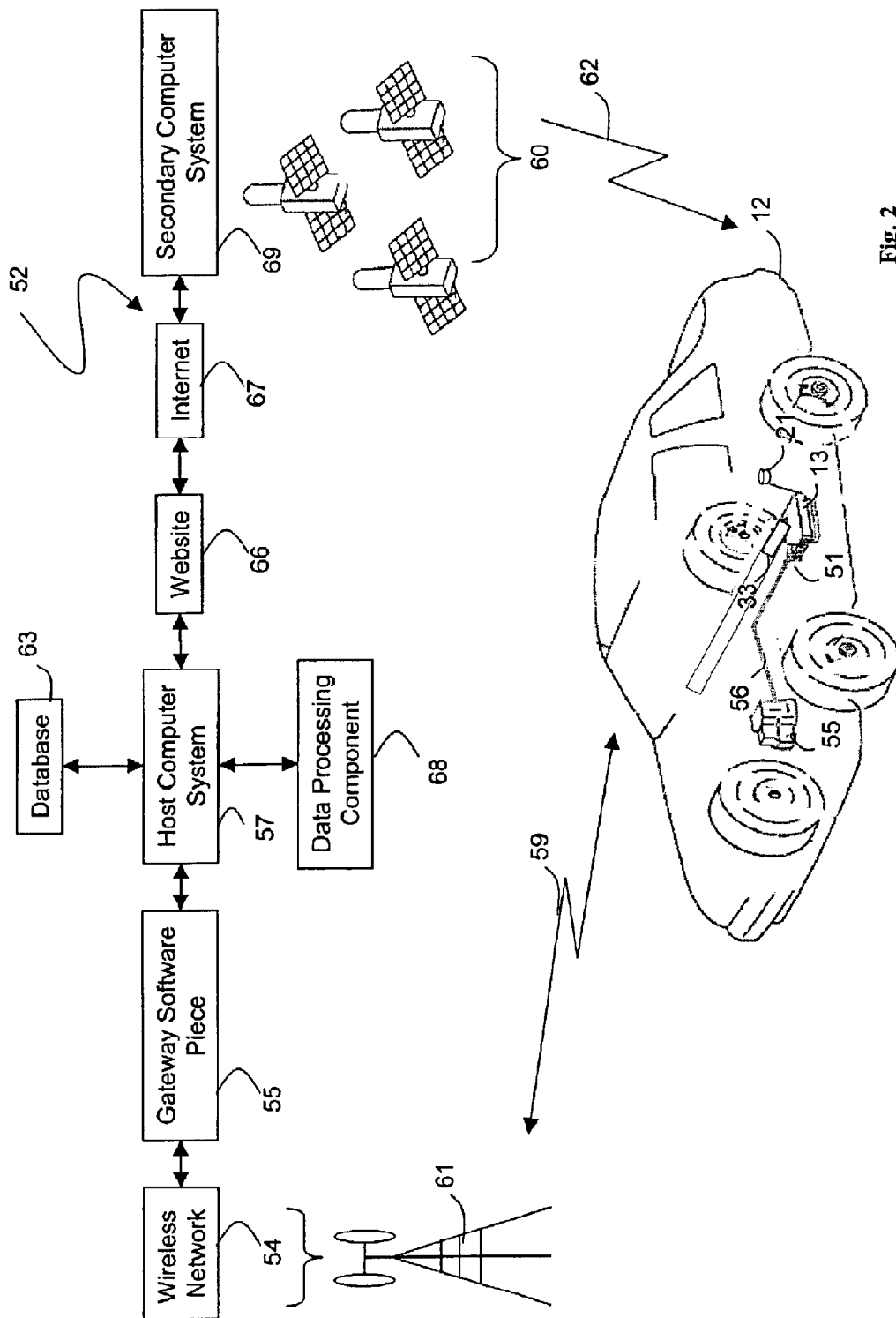


Fig. 2

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