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(19) **United States**(12) **Patent Application Publication**  
**TAKATA**(10) **Pub. No.: US 2010/0043524 A1**(43) **Pub. Date: Feb. 25, 2010**(54) **ALCOHOL DETECTION SYSTEM AND  
METHOD FOR VEHICLE**(30) **Foreign Application Priority Data**

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(JP)**Publication Classification**(51) **Int. Cl.**  
**G01N 33/497** (2006.01)(52) **U.S. Cl.** ..... **73/23.3**(57) **ABSTRACT**Correspondence Address:  
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An alcohol detection system for a vehicle has an alcohol sensor, for which alcohol measurement preparation processing such as heating the alcohol sensor to a predetermined temperature is performed, so that the alcohol sensor operates under the stable operation state. The alcohol measurement preparation processing is started, before a driver actually gets in the vehicle. For example, the preparation processing is started, when a predetermined manipulation of a driver on the vehicle before entering the vehicle is detected. The manipulation may be unlocking or opening of a vehicle door.

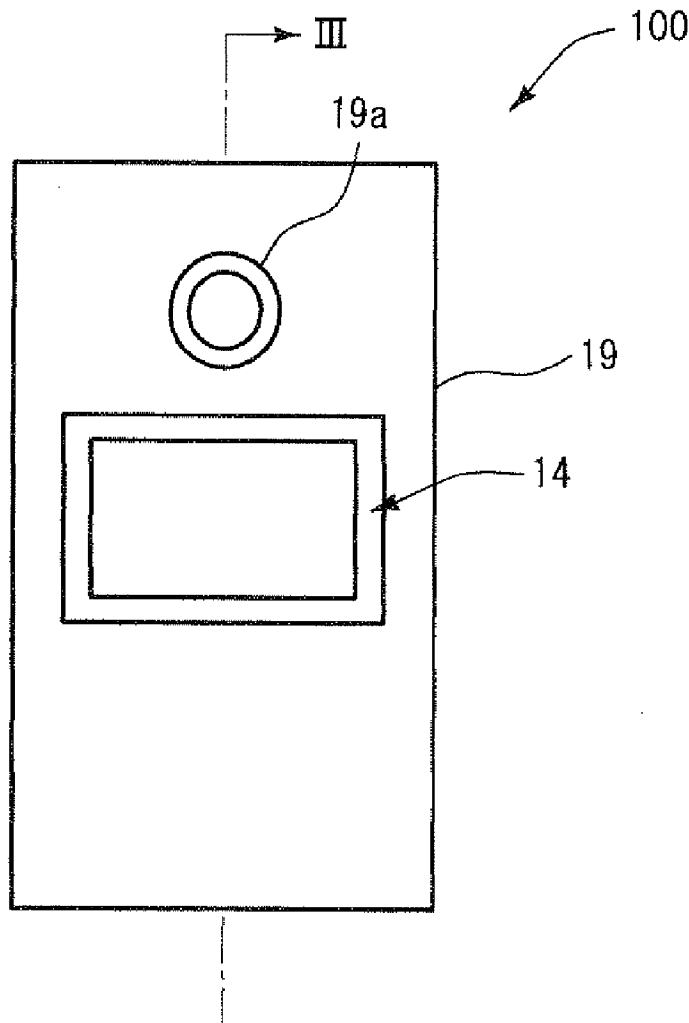


FIG. 1

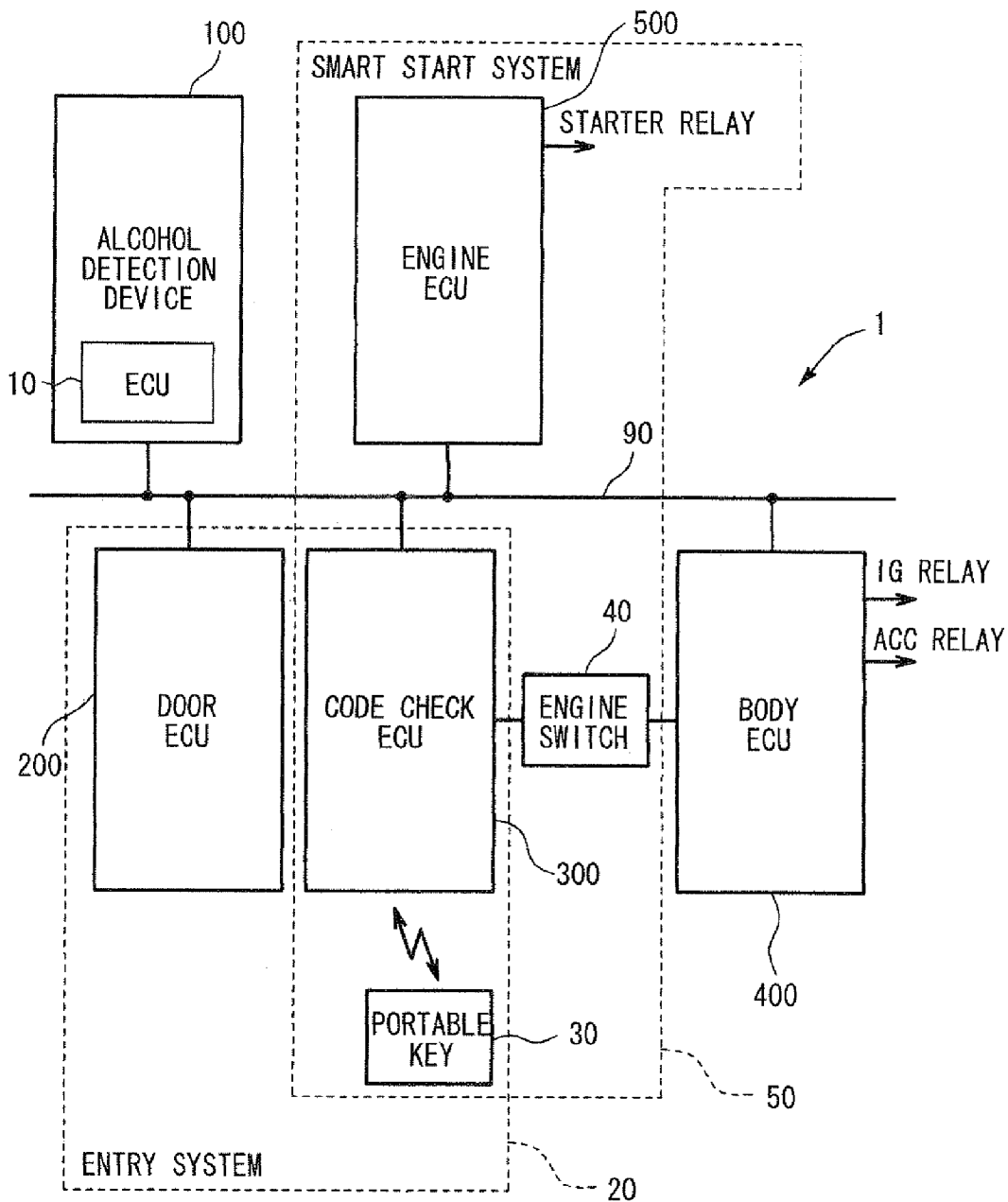


FIG. 2A

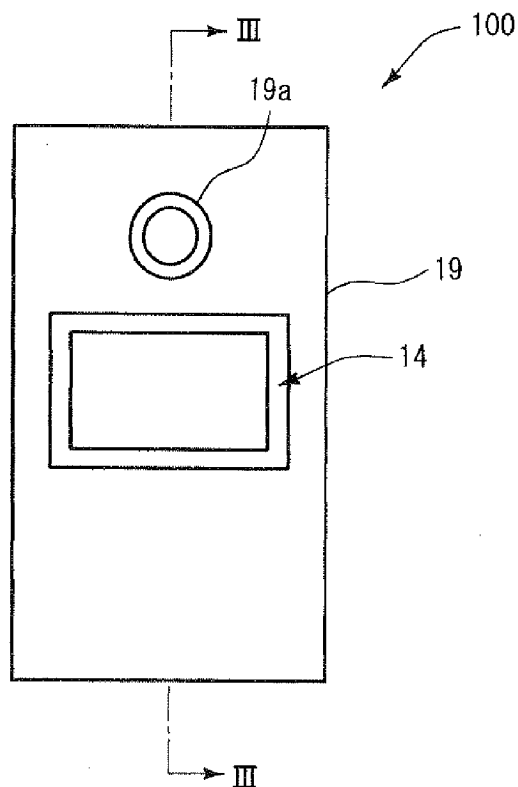


FIG. 2B

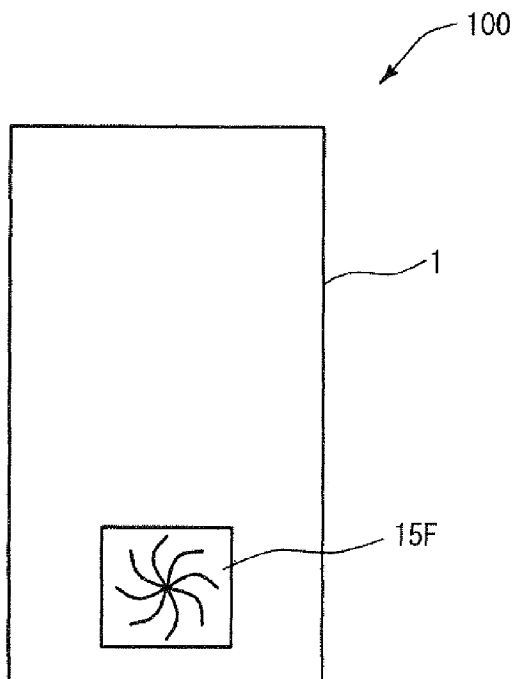




FIG. 4

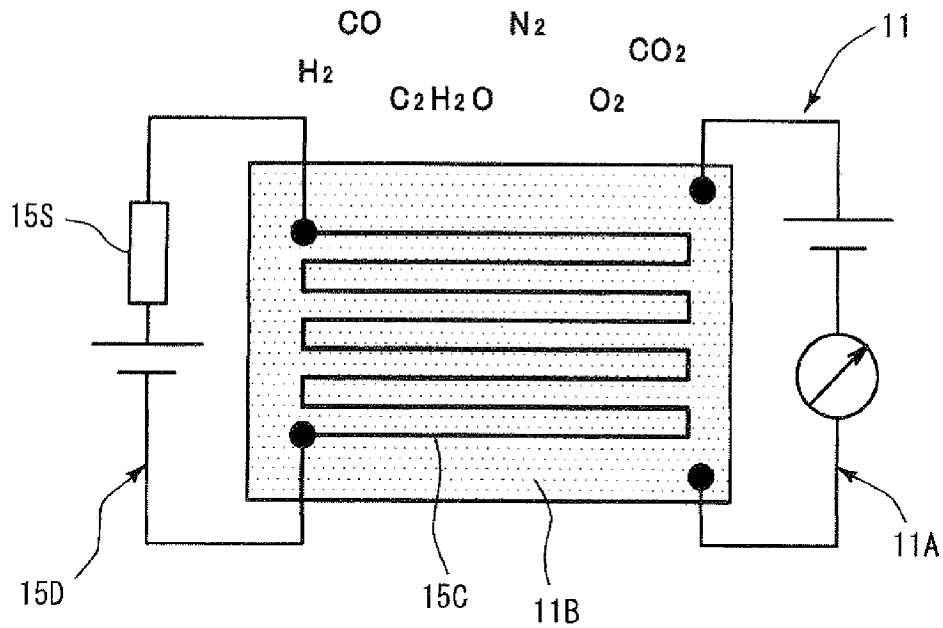
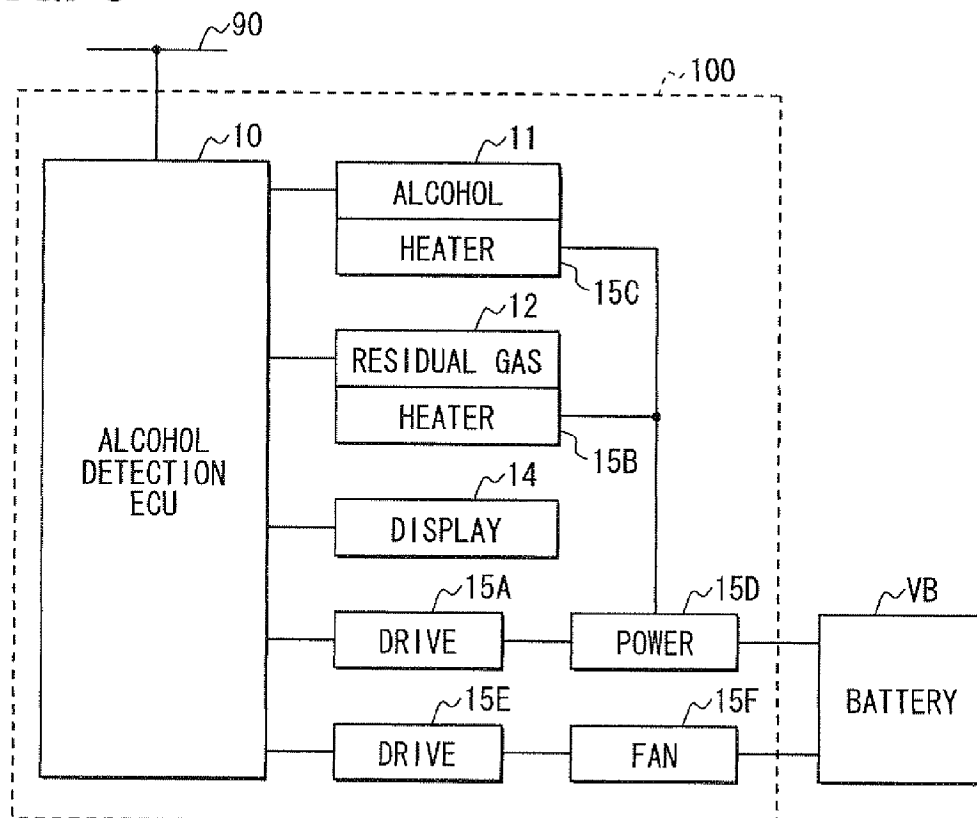


FIG. 5



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