5 **ABSTRACT**

The present invention is an accurate sensing method for alcohol consumption detection in carswith auxiliary assisting device: comprises of; a gas sensing layer (1) is used for detecting alcohol based on the sensitive material depends on the resistance change when the sensor is exposed to alcohol gas placed four sensors

10 around the driver, therein, a MQ3 sensor has the internal elements further comprises of an electrode (2), an electrode line (3), a heater coil (4), a tubular element (5), a anti-explosion unit (6), a clamp ring (7), a resin base (8) and a tube pin (9) which is embedded over an Arduino UNO (10), multiple in numbers as the MQ3 sensors. The complete process of data sensing through the MQ3 to an Arudino UNO (10), is

15 assessed by the coding which is embedded with it. The accuracy of said device is based on the plurality of sensors placed around the driver by identifying the type of alcohol with additional data whether the driver is consumed alcohol or not, and an aggressive driving pattern by the driver by on board diagnostics unit. The collected data is further used to communicate to the stakeholders to safe guard and make fines.

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