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(57) Abstract :

Present invention is related to a system for monitoring and controlling of air pollution in inside of the car. The objective of the present invention to solve problems and adequacies in the prior art related to control air pollution in inside of the car. The present system is used for detect toxic gas CO and oxygen level within the car cabin and to develop a sensing system using a sensor module and microcontroller. An alarm is generated immediately and also the ventilation will be provided automatically on detection of harmful gas.

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Abstract:

Present invention is related to a system for monitoring and controlling of air pollution in inside of the car. The objective of the present invention to solve problems and adequacies in the prior art related to control air pollution in inside of the car. The present system is used for detect toxic gas CO and oxygen level within the car cabin and develop a sensing system using a sensor module and microcontroller. An alarm is generated immediately and also the ventilation will be provided automatically on detect harmful gas.

Complete Specification

Claims:

1. A system for monitoring and controlling of air pollution in inside of the car, wherein the system comprising:
A gas sensor module, wherein the gas sensor module is used to detect the oxygen & harmful gases, with level of the oxygen & harmful gases;
A gas ventilation system, wherein the gas ventilation system is used to ventilate inside of the car;
An alarming system, wherein the alarming system is used to generate the alarm;
A Cellular communication module, wherein the Cellular communication module is used to send an alert message through cellular communication to a register user;
A Processing unit, the processing unit is connected to the gas sensor module, gas ventilation system , the Cellular communication module and the An alarming system, wherein the processing unit is configured to processes the signal from the gas sensor module, and send the signal to control the gas ventilation system and alarming system according to the availability of oxygen and harmful gases inside of the car, wherein the processing unit send the signal to Cellular communication module to send the alert message to the register user.

2. The system for monitoring and controlling of air pollution in inside of the car as claimed in claim 1, the gas sensor module comprises
An Oxygen (O2) Sensor, to sense the oxygen and level of the oxygen,
A Carbon Monoxide (CO) Sensor, to sense Carbon Monoxide (CO) & level of the Carbon Monoxide (CO) inside of the car &
A data acquisition system, to preprocess the signal from the Oxygen (O2) Sensor and the Carbon Monoxide (CO) Sensor & communicate to the Processing unit

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