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Patent Search

Invention Title	ARTIFICIAL INTELLIGENCE BASED APPROACH TO ANALYSE THE IMPACT, THE VEHICLE MISSIONS HAVE ON SURROUNDING ENVIRONMENT AN AIR QUALITY USING GAUSSIAN PLUME MODEL
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Abstract:

Artificial Intelligence based approach to analyse the Impact, the Vehicle Missions have on Surrounding Environment and its Air Quality using Gaussian Plume Model is the proposed invention. The invention aims at analysing the impact of vehicle emissions on the surrounding environment. The proposed inventions implement the model of Gaussian plume to predict the air quality. The invention will revolutionize the aspect of air pollution caused by vehicles that passes through a particular lane or street.

Complete Specification

The present invention relates to the field of designing & implementing a framework of Artificial Intelligence based approach to analyze the impact, the vehicular emissions have on air quality. The air pollution is measured using the Gaussian plume model for protecting the environment.

BACKGROUND OF INVENTION

[0001] Background description includes information that may be useful in understanding the present invention. It is not an admission that any of the information provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art.

[0002] Toxic substances such as carbon dioxide and carbon monoxide are emitted when fuels such as gasoline and diesel all are burnt in automobile. These substance cause a variety of environmental problems such as air pollution and global warning, which is why people say that vehicles are bad for environment. Exposures to air toxic can cause Non-Cancerous Health effects, such as neurological, cardiovascular, respiratory, reproductive and immune system damage.

[0003] A number of different types of vehicular emission analysis systems that are known in the prior art. For example, the following patents are provided for their supportive teachings and are all incorporated by reference.

[0004] US7302313B2 An air monitoring system is disclosed having an air monitoring unit with at least one sensor for measuring data of an air quality parameter and a computer for storing the air quality parameter data received from the sensor. The air monitoring unit may use an installed or a portable system or a combination of hot

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