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(71) Name of Applicant:

DMURUGESAN SABAREESWARAN

Address of Applicant SSM Institute of Engineering &

Technology, Dindigul ...

Name of Applicant: NA Address of Applicant : NA (72) Name of Inventor:

DKARTHICKT

Address of Applicant Assistant Professor/Mechanical Engineering, SSM Institute of Engineering and Technology.

Dindigal

2)KARTHICKMUNISAMY I

Address of Applicant KARTHICKMUNISAMY Assistant Professor/Mechanical Engineering, SSM institute of Engineering and Technology, Dindigul. -

3)MURUGESAN SABAREESWARAN

Address of Applicant :SSM Institute of Engineering & Technology, Dindigul

(57) Abstract

Most of the roadways in India are laid in a way that it is adjacent to loosen soils, when the vehicles move with very high speed these loose soils get dispersed into air and reduce the local visibility in the rear area of the heavy-duty vehicles. The present invention provides the best way to eliminate fine dust particles that gets floated in the air due to movement of the heavy-duty vehicles and four wheelers. The idea of the invention is to prevent the roadways accident of the two-wheeler vehicles and to improve the air quality. For achieving the above said statement we have placed ATmega 2560 Arduino board, Relay switch, air suction pump, dust sensor and battery. The collection of dust at necessary times achieved through interfacing Arduino with dust sensor and air suction pump.

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Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS) Principal

SSM Institute of Engineering and Technology

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