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(57) Abstract :

A system to collect air pollutant from an exhaust of a vehicle and further generates oxygen. The system comprises an exhaust collector, noise controller, chimney, oxygen converter, hose, and middle barrier gate. The exhaust collector collects exhaust gas from the vehicle. The exhaust gas comprises the air pollutant such as carbon dioxide, ultrafine particulates, black carbon, oxides of nitrogen (NOx), and carbon monoxide. The noise controller reduces noise generated from a blower and motor. The chimney connected with a dust remover to provide ventilation for the exhaust gas collected by the exhaust collector. The oxygen converter comprises an air purifying circuit to convert the exhaust gas into oxygen. The hose collects exhaust gas from the exhaust collector and further transmits the exhaust to the chimney. The middle barrier gate installed over a divider of a road adaptable to support the exhaust collector, the chimney, and the hose.

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