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The pressing issue of climate change demands innovative solutions to reduce greenhouse gas - emissions, particularly carbon monoxide (CO), which poses significant environmental and health risks. If I were to create an invention, it would be the carbon -purifier an advanced multi- functional device designed to capture, convert and store carbon monoxide emission from various sources, effectively reducing pollution and promoting cleaner air.

The concept of the carbon-purifier would be a state-of-the-art system combining advanced filtration technology, catalytic conversion processes, and renewable energy integration. Its primary functionalities would include capturing carbon monoxide from exhaust emissions, converting it into a less harmful substances, and storing the resultant byproducts for useful application.

Firstly, Advanced Filtration Technology, The carbon-purifier would utilize a high-efficiency filtration system capable of capturing carbon monoxide from vehicle exhausts, industrial emissions, and residential sources. The filters would be made from materials that trap CO into less harmful substances such as carbon dioxide (CO2) and water (H2O). This conversion process would be highly efficient, minimizing the release of residual CO into the environment.

Secondly, Catalytic Conversion Process, Once captured, the carbon monoxide would be directed to a catalytic converter within the carbon-purifier. Using cutting edge catalyst, the device would convert (CO) into less harmful substance such as carbon dioxide. This conversion process would be highly efficient, minimizing the release of residual CO into the environment.

Thirdly, Renewable Energy Integration, the Carbon-purifier would be powered by renewable energy sources, such as solar panels or wind turbines, ensuring that its operation does not contribute to additional emissions. This self-sustaining design would make the device environmentally friendly and cost-effective to operate.

Fourthly, Byproduct Utilization, The byproducts of the conversion process primarily carbon dioxide and water, would be captured and stored within the Carbon-purifier. The stored CO2 could then be utilized in various industrial applications, such as the production of carbonated beverages, or converted into biofuels through advanced chemical processes. The water could be purified and used for irrigation or industrial cooling purposes.

There are many benefit and impact of the carbon-purifier to the environment, firstly reduction of air pollution by capturing and converting carbon monoxide to a more sufficient substances, which will lead to a cleaner air, improved public health and decrease in respiratory illness. It can be used in industries that uses fossil fuels to function to filter gases and reduce air pollution and global warming.

Despite the carbon purifier has many advantages and can be used in different fields but the cost of the carbon purifier could be high and can risk loss in business enterprises and can cause respiratory diseases if built wrongly.

The invention of the carbon-purifier to reduce carbon monoxide emissions represents a crucial step in addressing one of the pressing issues of environment and public health challenges of our time. Through collaboration, innovation and commitment, we can pave way for a cleaner air and a healthier planet through the new invention “CARBON MONOXIDE”