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POLLUTION CONTROL WORKING MODEL OF AIR INK

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ABSTRACT :

Now a days due to increasing of air pollution , Air ink is must essential to develop a new advanced technology to minimise air pollution and that carbon converted into a Ink. Kaalink is a device which are used to reduce air pollution in an environment. Kaalink are fixed on the end part of silencer or chimney to consume a maximum quantity of emitted pollution. After a consume the carbon are separated from the kaalink and then send to the laboratory to make a high quality of ink and also non toxic (because of the exhausted pollution contain NOx, CO_2).

1. INTRODUCTION:

AIR-INK is a process in which capture a soot exhausted by the fossil fuel engine and converted into a ink by laboratory process. Its benefit is to enhance the quality of an air in an environment. Kaalink a device that capture a soot from vehicle and chimney and then collected a soot from kaalink and send to the laboratory to make an Ink, High quality, Non toxic. The main application is, to control the pollution which are exhausted by the industry and fossil fuel engine.

2. LITERATURE REVIEW

Several studies and innovations have explored to convert air pollutants into usable ink. Research on substance of exhausted pollutants has shown its harmful impact on health of human as well as environment, prompting interest in its capture and re-use of exhausted substance. Graviky Labs, the creators of AIR-INK, built upon existing filtration technologies to collect carbon soot from exhausted systems. Studies on sustainable design stand on the role of circular economy principles in reducing waste. Previous work in carbon recycling supports the probability of transforming pollutants into colour. AIR-INK stands out as a practical application of these ideas, combine environmental science with creative industries for effective, real-world use.

3. METHODOLOGY

- ***Collection of Soot:***
  Kaalink is a device which are used to capture a soot from silencer of vehicle or from industry chimney.

- ***Filtration and Purification****:*
  The collected soot is processed to remove a toxic substance from an Ink to better use.

- ***Ink Formulation****:*
  After purification carbon is mixed with a oils and solvents to make a black ink suitable for pen marker etc.

- ***Testing and Quality Control:***
  The final ink is tested for non toxic, safety, and durability, quality before distribution.

4. RESULTS AND DISCUSSION

Air Ink is an innovative process in which air pollutants convert in to ink. Scientists are created a device Kaalink to capture soot from a vehicle and chimney for turn it into useful. The result is that the un-cleaned air changed to safe air and also a useful ink for design, create art. This project are used to clean the environment and new way to artist to make design and art. Air-Ink is a smart way to fight against a un-cleaned environment. This idea is not a just way of clean environment but also awareness of use of waste.

5. CONCLUSION AND FUTURE SCOPE

Air-Ink is a innovative idea that turns pollutants of air into useful ink. It enhanced a quality of air and also show, how to use a waste. This project help in a cleaning the air quality of environment. But it's not minimise all pollutants, its help in reducing pollution quality of air approximately 80 to 85 percent of air.

Future Scope:

Now a days due to a maximize a industry and vehicle the scope of Air-Ink is bright. In the upcoming year it can be used in industry and public place. The technology can be improved quality of an air. More company start using Air-Ink to make a eco-friendly product. It is also inspire a people to use of waste into useful substance. In future Air-Ink is used as a equipment to fight against a Air pollution.

6. REFERENCES

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