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(57) Abstract :
Patent Title: AIR QUALITY MONITORING DEVICE USING INTERNET OF THINGS (IOT). ABSTRACT My Invention AIR QUALITY MONITORING DEVICE USING INTERNET OF THINGS (IOT) • is an air monitoring device 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 using internet of things (IOT). The invented device the air monitoring unit may use an installed or a portable system, or a combination of both, for measuring the air quality parameters of interest. A remote data center also provided, and the data uploaded to the data center from the unit by a communications media such as the internet of things (IOT). The Information or instructions may also be downloaded from the data center to the unit via the communications media for controlling or modifying the function of the unit. The invented Device the air monitoring unit may contain sensors, and a multiple tube and vacuum system used to transport samples of air to the air monitoring unit from one or more remotely located sampling locations. This air monitoring system may involve a star based tube structure or octopus • type arrangement that uses many tubes each making a office run • from the sampling location to the air monitoring unit and also to use a networked air sampling system that includes a common centrally located air monitoring unit containing one or more sensors.

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