

MOUNTABLE FAN FILTER ASSEMBLY

ABSTRACT OF THE DISCLOSURE

A mountable fan filter assembly used in an indoor air cleaning network mechanism is provided and includes a detector and a unit main part. The unit main part is built-in and suspended in the indoor field and comprises an air guiding fan, a filter component, a driving controller and a flow guiding pathway. The flow guiding pathway is horizontally parallel to and separated from the filter duct, and the air guiding fan and the filter component are arranged under the filter duct. The gas detector controls the actuation operation of the air guiding fan through the Internet of Things communication. Consequently, air in the indoor field is introduced into the filter duct through the circulating return air port, and air pollution is filtered and purified for multiple cycles to implement circulation filtration and purification treatment in real time and prevent the backflow of the filtered gas.

FIG. 1A