

MOUNTABLE GAS EXCHANGE DEVICE

ABSTRACT OF THE DISCLOSURE

A mountable gas exchange device used in an indoor air cleaning network mechanism is provided and includes a detector and a gas exchange main part. The gas exchange 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 has a gas introducing entrance, a gas exchange fan is arranged at the gas circulation entrance. The gas detector controls the actuation operation of the air guiding fan and the gas exchange fan through the Internet of Things communication. Consequently, air in the outdoor field is introduced into the indoor field through the filter duct, and air in the indoor field enters the filter duct through the circulating return air port for multiple cycles of filtration to air pollution purification.

Fig. 1A