

INDOOR AIR CLEANING SYSTEM

ABSTRACT OF THE DISCLOSURE

An indoor air cleaning system is disclosed and includes a gas detection module, an air cleaning device and a central control and regulation device. The gas detection module includes a microcontroller and a central control communication interface component for detecting and outputting air pollution data. The microcontroller processes the air pollution data and outputs a regulation signal based on the calculations. The air cleaning device includes a fan, a filtering element and a driving control component. The gas detection module is disposed inside the air cleaning device. The central control and regulation device is connected with the central control communication interface component under handshake communication protocol to provide an control command to the gas detection module for activation operation of the fan. Consequently, the gas state reaches the air pollution data targeted by the gas detection modules based on a detection and prediction time, to meet a clean room requirement.

FIG. 2A