

ABSTRACT

PROCESS EXHAUST AIR TREATMENT SYSTEM

Provided in the present invention is a process exhaust air treatment system, which includes: a exhaust air concentration unit including a zeolite rotor, where a rotor surface of the zeolite rotor is divided into an adsorption zone, a cooling zone, and a desorption zone, and the zeolite rotor completes a loop process of adsorption, desorption, and cooling as the zeolite rotor rotates; an incineration unit having at least an incineration apparatus and communicated with the exhaust air concentration unit for incinerating volatile organic compounds (VOCs) in a VOC-concentrated air to generate an incinerated air; and a dust removal unit including at least a dust filtering device, where the dust filtering device is in air communication with the incineration apparatus for receiving the incinerated air.

Figure 1