

ABSTRACT OF THE DISCLOSURE  
EXHAUST GAS PROCESSING SYSTEM

An exhaust gas processing system is provided with a particle separating apparatus capable of separating and removing particles contained in an exhaust gas from the exhaust gas, and disposed between a front and a back exhaust pipes forming the exhaust gas discharge line. The particle separating apparatus comprises a gas vessel defining a gas chamber for receiving the exhaust gas containing particles and discharged through a rear end portion of the front exhaust pipe, and an exhaust gas guide member disposed in the gas chamber and having guide walls defining an internal space and provided with openings by means of which the internal space communicates with the gas chamber. The guide walls are formed so as to guide the exhaust gas discharged into the gas chamber through the rear end portion of the front exhaust pipe so that the exhaust gas flows in vertical, whirling currents in the gas chamber. A particle receiving unit of a particle container is connected to a particle discharge unit of the particle separating apparatus. The gas contained in the particle container is replaced with an inert gas by a gas replacing apparatus before separating the particle container from the particle separating apparatus.

(Figure 1)