

Abstract

A main body of exhaust cleaning system 15 is arranged in a hood 8 that is connected to an exhaust duct 14 at an upper part and is opened at a bottom face. A grease filter 23 is arranged at a side plate of a main body case 18 having an inlet 19 into which an exhaust air 5 flows. A filter 33 formed in an endless belt shape by gathering stainless steel wires and the like is attached to rotary shafts 25a, 25b provided to freely rotate in the main body case 18. The filter 33 adheres to the grease filter 23 and a discharge opening 10 through which the exhaust air 5 flows, and is partially immersed in a cleaning liquid 40 in a cleaning liquid tank 22 provided at a lower part of the main body case 18. The exhaust air 5 flowing from the inlet 19 through the grease filter 23 is flown through the rotationally moving filter 33, is flown again from a space 36 through the filter 33, and is discharged after being cleaned.

A cleaning of the exhaust air 5 and a cleaning of the filter 33 can be done at a time.