

## Abstract

An exhaust gas treatment system provided with an exhaust gas treatment device (1a), the exhaust gas treatment system having: a reaction unit (20) for causing a gas purification agent and an acidic gas to react, the reaction unit (20) being provided with a gas purification agent addition means (21) for adding a gas purification agent to an exhaust gas containing the acidic gas and having a temperature of at least 190°C; and a removal unit (30) provided with a bag filter for removing the reaction product obtained by the reaction unit (20) from the exhaust gas; the gas purification agent containing slaked lime having a specific surface area as measured by the BET method of at least of 25 m<sup>2</sup>/g and a pore volume as measured by the nitrogen desorption BJH method of at least 0.15 cm<sup>3</sup>/g. In this exhaust gas treatment system, an exhaust gas purification catalyst may be supported on the bag filter.

(FIG. 1)