

ABSTRACT

A regeneration device of an exhaust gas purification filter that reduces the regeneration time of the filter. The
5 regeneration device includes a plurality of first
temperature detectors (26a, 26b) arranged in casings to
detect the temperature in each casing and a second
temperature detector (26a, 26b) for detecting the
temperature of the exhaust gas. A processor (30) is
10 connected to the first temperature detectors and the second
temperature detector. The processor compares the temperature
of the exhaust gas and the temperature of at least one of
the casings, opens the associated switch valve based on the
comparison result, and preheats at least one of the filters
15 with the exhaust gas. The heat of the exhaust gas suddenly
increases the temperature of the filter from the initial
temperature and reduces the filter regeneration time.

