

ABSTRACT

Disclosed is a generalized integrated DOC-DPF-SCR after-treatment apparatus, comprising a box (1), a DOC-DPF unit (5), two SCR units (2), one or two urea mixers (4) and an exhaust pipe (3), wherein the box (1) has a square cross section, and the DOC-DPF unit (5) and the exhaust pipe (3) are respectively arranged at a pair of diagonal corners of the square; both the two SCR units (2) and the urea mixer (4) are arranged symmetrically relative to the diagonal line on which the DOC-DPF unit (5) and the exhaust pipe (3) are located; exhaust gas in the DOC-DPF unit (5) enters the urea mixers (4) after being discharged; and the mixed exhaust gas in the urea mixer (4) is discharged into the SCR units (2), and the exhaust gas in the SCR units (2) is discharged into the exhaust pipe (3). The present generalized integrated DOC-DPF-SCR after-treatment apparatus can facilitate later interchange between various functional units, left or right arrangement of the box (1) and flexible and diverse arrangement of gas inlet and exhaust modes, thus realizing general matched installation on different complete vehicles.

(Figure 1)