

AUXILIARY NECKING CHANNEL STRUCTURE FOR EXHAUST PIPE

ABSTRACT

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An auxiliary necking channel structure for an exhaust pipe includes a hollow casing and a plurality of atomizing elements. Inside the hollow casing, an interior wall thereof is defined continuously to have a tapering first section, a neck section and an increasing second section. The neck section has the smallest inner diameter among the first section, the neck section and the second section. The atomizing elements are formed annularly on the neck section. An exterior wall of the hollow casing has an annular embossed portion with the largest outer diameter thereof. With the auxiliary necking channel structure installed inside the exhaust pipe mainly via the embossed portion to accelerate the exhaust flow, exhaust pollutions of the vehicle can be controlled, and also the carbon deposits caused by incomplete combustion can be reduced to a minimum.

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Figure 2

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