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(54) Title: APPARATUS FOR COLLECTING POWDER IN EXHAUST GAS WITH AN INCREASED COLLECTION CAPACITY AND EXHAUST GAS TREATMENT EQUIPMENT PROVIDED WITH SAME

(57) Abstract: The present invention provides an apparatus for collecting powder contained in an exhaust gas before the exhaust gas is introduced into an adsorption reaction device which treats the exhaust gas using an adsorption reaction, wherein the apparatus for collecting powder in exhaust gas comprises a filter body, which includes a filter member which filters the exhaust gas and feeds it to the adsorption reaction device and is disposed below the adsorption reaction device; and a housing which provides an internal space for storing powder separated from the filter member and is installed below the adsorption reaction device, which housing includes a filter installation unit, which is a space projected below the adsorption reaction device and which provides a filter installation space internally for installing the filter body and an expansion unit which is formed so as to protrude sideways from the filter installation unit and provides an expansion space which communicates internally with the filter installation space, and the internal space is expanded by the expansion space so as to increase the powder collection capacity, and a suction port for sucking in the exhaust gas is installed in the expansion unit.

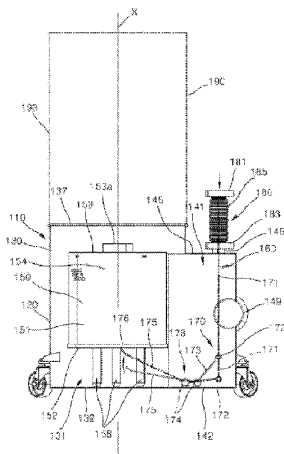


FIG. 6

WO 2022/064360 A1