

Title (en)
STRIKING-TYPE HEPA SELF-CLEANING APPARATUS AND VACUUM CLEANER HAVING APPARATUS

Title (de)
SCHLAGENDE SELBSTREINIGENDE HEPA-VORRICHTUNG UND STAUBSAUGER MIT DER VORRICHTUNG

Title (fr)
APPAREIL D'AUTO-NETTOYAGE HEPA DE TYPE A FRAPPE ET ASPIRATEUR COMPRENANT UN APPAREIL

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Abstract (en)
A striking-type HEPA self-cleaning apparatus and a vacuum cleaner having the self-cleaning apparatus, said self-cleaning apparatus comprising: a mounting cover (15) an inner part of which is provided with a certain accommodation space and a bottom part of which is opened to form a ventilation opening, a HEPA filter (17) that is connected to the bottom part of the mounting cover (15) and that seals the ventilation opening, and a striking assembly (14) that is disposed within the accommodation space; the striking assembly (14) comprises a striking driver (141) and at least one set of striking hammers (143) that is in transmission connection with the driver (141); the striking hammers (143) are located directly above the HEPA filter (17), and under the drive of the driver (141), the striking hammers (143) periodically strike an upper surface of the HEPA filter (17); as such, the HEPA filter (17) of the vacuum cleaner is able to retain a sufficient degree of air permeability for a long period of time or be restored to a sufficient degree of air permeability, thus ensuring that the vacuum cleaner retains a stronger suction force. By means of a suitable spatial arrangement, the vacuum cleaner achieves the effects of enhancing heat dissipation and reducing noise; and by means of performing a manner of alternating wind blowing and wind suction for the HEPA filter (17), dust accumulated on a surface of the HEPA filter (17) may be blown off.

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