

Title (en)

Multi-filter vacuum cleaner with independent shaker cleaning device for each filter

Title (de)

Mehrfach-Filterstaubsauger mit unabhängiger Schüttlerreinigungsverrichtung für jeden Filter

Title (fr)

Aspirateur multi filtre avec dispositif de nettoyage à secousses indépendant pour chaque filtre

Publication

EP 2749193 B1 20201118 (EN)

Application

EP 13199322 A 20131223

Priority

IT CR20120026 A 20121227

Abstract (en)

[origin: EP2749193A1] The invention relates to the sector of industrial vacuum cleaners. In particular the invention concerns a multi-filter vacuum cleaner (100) with independent shaker cleaning device for each filter comprising shaker means (9) with striking head, which can be selectively activated and are adapted to act on each filter. Said vacuum cleaner comprises: - at least a suction turbine (1, 1a, 1b, 1c) for sucking a primary flow of dusty air (F), associated with a vacuum chamber (2, 2a, 2b, 2c); - a plurality of cartridge filters (6) for cleaning said primary flow (F), each one connected to said vacuum chamber; - containment means (7) for containing the dust sucked and retained by said cartridge filters (6); - an electrical control unit. Said shaker cleaning device comprises: - a plurality of connecting ducts (8) each interposed between one of said filters (6) and said vacuum chamber (2, 2a, 2b, 2c); - valve means (3), which can be selectively activated and are adapted to reversibly close said connecting ducts (8). Said control unit controls at least indirectly said valve means (3) and directly activates said shaker means (9), so that said shaker means (9) are active on a given filter (6) only when the corresponding connecting duct (8) is closed.

IPC 8 full level

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CPC (source: EP)

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Cited by

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