

Title (en)

SUCTION NOZZLE FOR A VACUUM CLEANER, COMPRISING A DUST FLOW DISPLAY DEVICE

Title (de)

SAUGDÜSE FÜR EINEN STAUBSAUGER MIT EINER STAUBFLUSS-ANZEIGEVORRICHTUNG

Title (fr)

BUSE D'ASPIRATION POUR ASPIRATEUR, A DISPOSITIF DE VISUALISATION DU FLUX DE POUSSIÈRES

Publication

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Application

**EP 05707099 A 20050201**

Priority

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Abstract (en)

[origin: WO2005077243A1] The invention relates to a suction nozzle for a vacuum cleaner, that can be connected to a suction pipe and/or a suction tube of the vacuum cleaner. Said suction nozzle (2) comprises a nozzle part that can be connected to the suction pipe or the suction tube of the vacuum cleaner by means of a tubular connection part (2.2). A dust sensor (11) is arranged in the flow path of the vacuum cleaner, the signals thereof being evaluated by a battery-operated electronic control device that can be activated by a low-pressure switch. During operation, said control device controls a display device (9,16) displaying the dust flow. The control device, the low-pressure switch, the display elements (9,16) displaying the dust flow, and a battery compartment (8) for receiving the batteries are arranged in a housing (7) formed on the upper side of the tubular connection part (2.2). The dust sensor is arranged beneath the housing (7), inside the upper region of the connection part (2.2), in the dust air stream. Said arrangement can be used to create an easily visible ergonomically favourable dust flow display. A mounting position that is advantageous in terms of flow is also provided for the dust sensor. Fine dust particles can still not be reliably detected with the piezoelectric sensor, enabling the degree of purity to be monitored in an actively functional manner.

IPC 8 full level

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CPC (source: EP US)

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