

Title (en)

Dust-collecting device and vacuum cleaner for both wet and dry cleaning using the same

Title (de)

Staubsaammelvorrichtung und damit ausgerüsteter Nass- und Trockenreinigungssauger

Title (fr)

Dispositif pour collecter la poussière et aspirateur, pour le nettoyage par voie humide et sèche, utilisant un tel dispositif

Publication

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Application

**EP 04024856 A 20041019**

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- KR 20040033192 A 20040511

Abstract (en)

The present invention relates to a dust-collecting device and a vacuum cleaner for both wet and dry cleaning using the dust-collecting device. The dust-collecting device of the present invention comprises a dust-collecting tank (20) for collecting water and foreign substances in a cyclone manner, the dust-collecting tank (20) having a suction port (22) formed such that air flows along an inner peripheral surface of a dust-collecting space (21) defined therein; a tank cover portion for selectively shielding the dust-collecting space, the tank cover portion (40) having a first discharge port (41); a floater guide (50) including an inner space (51) communicating with the first discharge portion (41), a floater (52) for opening or closing the first discharge port (41), and a plurality of communication holes (53) formed along an outer peripheral surface of the floater guide (50); a dust-collecting filter (60) provided to surround the outer peripheral surface of the floater guide (50) in order to filter out foreign substances; and a waterblocking wall (43) for surrounding at least a portion corresponding to the suction port (22) with a gap with respect to an outer peripheral surface of the dust-collecting filter (60). According to the vacuum cleaner using the dust-collecting device according to the present invention constructed as such, there are advantages in that water is prevented from being transferred to parts within a main body (10) of the vacuum cleaner, and the structures of the dust-collecting filter (60) and the like provided within the dust-collecting tank (20) can be more firmly maintained.

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Citation (applicant)

- CA 2260428 A1 20000726 - UPPAL RAJINDER JIT SINGH [CA]
- DE 3405749 A1 19850822 - DUEPRO AG [CH]

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