

Title (en)
Vacuum cleaner with noise reduction device

Title (de)
Staubsauger mit Vorrichtung zur Lärmreduzierung

Title (fr)
Aspirateur avec dispositif de réduction de bruit

Publication
EP 1969984 A2 20080917 (EN)

Application
EP 07291233 A 20071010

Priority
KR 20070024063 A 20070312

Abstract (en)
The present invention relates to a vacuum cleaner that can reduce noise due to discharging air. The vacuum cleaner includes a cleaner case inside which contaminants collector and fan motor are disposed; a discharging duct disposed inside the cleaner case in fluid communication with the fan motor, and the discharging duct having a substantially rectangular section with a length dimension of a long side more than twice of a length dimension of a short side thereof; and an exit formed at one end of the discharging duct in a direction perpendicular to a direction in which air flows inside the discharging duct; wherein air discharged from the fan motor is discharged outside the cleaner case via the exit of the discharging duct.

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Cited by
CN103505149A; EP3207845A4; US10154766B2; WO2018068850A1; WO2015043617A1; US11116369B2; US11452412B2; US11937759B2

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