

Title (en)
Vacuum cleaner with sterilizing system

Title (de)
Staubsauger mit Sterilisationsvorrichtung

Title (fr)
Aspirateur avec dispositif de stérilisation

Publication
EP 1714601 A2 20061025 (EN)

Application
EP 05356221 A 20051226

Priority
KR 20050033713 A 20050422

Abstract (en)
This vacuum cleaner with a sterilizing system includes a safety device (150) for its sterilizer. This vacuum cleaner comprises a cleaner body and a suction brush (120). The suction brush (120) comprises a sterilizer using an ultraviolet (UV) ray and a safety device (150) interrupting power supply to the sterilizer when the suction brush (120) is moved apart from the surface being cleaned (A) by a predetermined distance. Here, the safety device comprises a micro switch (160) controlling power to the sterilizer, a micro switch operator (170) released from contact with the micro switch as the suction brush (120) is separated from the surface being cleaned (A) by an amount at least equal to the predetermined distance, thereby turning off the micro switch, and a biasing member that biases the micro switch operator in a certain direction.

IPC 8 full level
A47L 9/04 (2006.01); **A47L 9/28** (2006.01)

CPC (source: EP KR US)
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B05B 12/08 (2013.01 - KR); **E03D 9/08** (2013.01 - KR)

Citation (applicant)
• KR 20030042660 A 20030602 - CASH CO LTD N [KR]
• US 2590152 A 19520325 - MCGOWAN JOHN F

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CN104433954A; GB2459196A

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GB

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AL BA HR MK YU

DOCDB simple family (publication)
EP 1714601 A2 20061025; **EP 1714601 A3 20070829**; AU 2005246940 A1 20061109; AU 2005246940 B2 20070816; CN 1849982 A 20061025; KR 100611068 B1 20060810; RU 2005141221 A 20070710; US 2006236496 A1 20061026

DOCDB simple family (application)
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