

Title (en)
Electric vacuum cleaner

Title (de)
Elektrischer Staubsauger

Title (fr)
Aspirateur électrique

Publication
EP 1836941 A2 20070926 (EN)

Application
EP 07004691 A 20070307

Priority
• JP 2006068898 A 20060314
• JP 2006073826 A 20060317

Abstract (en)
An electric vacuum cleaner, including: a dust separating section (52) to separate a dust sucked from a suction opening with air; a dust-collecting chamber (73) for collecting the dust separated at the dust separating section (52); a light emitting diode (D1) for emitting a light into the dust-collecting chamber (73); a light receiving diode (D2) for receiving the light through the dust-collecting chamber (73); a control device (200) for judging an amount of the dust through the suction opening /or judging whether or not the dust collected in the dust-collecting chamber (73) reached to a predetermined amount based on a light receiving condition of the light receiving device (D2); a display unit (17) for displaying the amount of the dust judged with the judging device and a alarm device (1000) for alarming in response with the judging amount detected by the control device (200).

IPC 8 full level
A47L 9/19 (2006.01); **A47L 9/28** (2006.01)

CPC (source: EP KR US)
A47L 9/10 (2013.01 - KR); **A47L 9/19** (2013.01 - EP KR US); **A47L 9/2815** (2013.01 - EP US); **A47L 9/2842** (2013.01 - EP US); **A47L 9/2857** (2013.01 - EP US)

Citation (applicant)
• JP H07322989 A 19951212 - MATSUSHITA ELECTRIC IND CO LTD
• US 2005183229 A1 20050825 - UEHIGASHI NAOYA [JP]
• US 5815884 A 19981006 - IMAMURA NOBUO [JP], et al
• EP 0456083 A1 19911113 - FEDAG [CH]

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Designated extension state (EPC)
AL BA HR MK YU

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DOCDB simple family (application)
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