

Title (en)  
METHOD FOR DETECTING THE BACK-AND-FORTH MOVEMENT OF A VACUUM CLEANER, AND CORRESPONDING VACUUM CLEANER

Title (de)  
VERFAHREN ZUM ERFASSEN DER VOR- UND RÜCKBEWEGUNG EINES STAUBSAUGERS SOWIE STAUBSAUGER HIERZU

Title (fr)  
PROCEDE DE DETECTION DU MOUVEMENT D'AVANCEMENT ET E REcul D'UN ASPIRATEUR, ET ASPIRATEUR CORRESPONDANT

Publication  
**EP 1827194 A1 20070905 (DE)**

Application  
**EP 05817402 A 20051216**

Priority  
• EP 2005056861 W 20051216  
• DE 102004062536 A 20041224

Abstract (en)  
[origin: WO2006069923A1] The invention relates to a method for detecting the back-and-forth movement of an attachment (2) of a vacuum cleaner (1), especially a household vacuum cleaner, comprising an electromotive brush (3), and to a vacuum cleaner, especially a household vacuum cleaner. The aim of the invention is to simplify one such method and to improve one such vacuum cleaner. To this end, the motor power (I<SUB>M</SUB>) for driving the brush (3) is measured and compared with a reference motor power (I<SUB>R-M</SUB>) in order to determine the back-and-forth movement, and the vacuum cleaner is provided with a measuring device (10) which measures the motor power (I<SUB>M</SUB>) of the electric motor (7) driving the brush (3). A comparator (13) is used to compare the measured motor power (I<SUB>M</SUB>) with a reference motor power (I<SUB>R-M</SUB>).

IPC 8 full level  
**A47L 9/04** (2006.01); **A47L 5/30** (2006.01); **A47L 9/28** (2006.01)

CPC (source: EP)  
**A47L 9/0411** (2013.01); **A47L 9/2831** (2013.01); **A47L 9/2842** (2013.01); **A47L 9/2847** (2013.01)

Citation (search report)  
See references of WO 2006069923A1

Cited by  
EP4306024A1; FR3137556A1; EP4306021A1; FR3137557A1; WO2024013439A1; WO2024013440A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**DE 102004062536 A1 20060706**; AT E484991 T1 20101115; CN 101083932 A 20071205; CN 101083932 B 20101215; DE 502005010428 D1 20101202; EP 1827194 A1 20070905; EP 1827194 B1 20101020; JP 2008525073 A 20080717; RU 2007128343 A 20090127; TW 200631541 A 20060916; WO 2006069923 A1 20060706

DOCDB simple family (application)  
**DE 102004062536 A 20041224**; AT 05817402 T 20051216; CN 200580043959 A 20051216; DE 502005010428 T 20051216; EP 05817402 A 20051216; EP 2005056861 W 20051216; JP 2007547468 A 20051216; RU 2007128343 A 20051216; TW 94146109 A 20051223