

Title (en)
Vacuum cleaner with remote control

Title (de)
Staubsauger mit Fernbedienung

Title (fr)
Aspirateur doté d'une télécommande

Publication
EP 2301401 A1 20110330 (EN)

Application
EP 09171312 A 20090925

Priority
EP 09171312 A 20090925

Abstract (en)
A vacuum cleaning apparatus (1) comprises: - a vacuum source device (100) provided with vacuum generating means (110,120) and an inlet (130); - a cleaning head device (200) provided with a mouthpiece (240) and an outlet (250); - and a flexible hose (300) for connecting the cleaning head outlet (250) to the vacuum source inlet (130). The cleaning head device (200) is implemented as a steerable carriage, with wheels (210), at least one motor (220) and a control device (230) for controlling the motor (220). The vacuum cleaning apparatus (1) is provided with a handlepiece (400) arranged at some midsection of the flexible hose (300) and provided with a sensor device (500) for sensing the orientation of the handlepiece (400), the sensor device (500) having a signal output (501) coupled to a signal input (231) of the control device (230). The control device (230) is adapted to control the movements of the cleaning head device (200) on the basis of the sensor signals received from the sensor device (500).

IPC 8 full level
A47L 9/00 (2006.01); **A47L 9/32** (2006.01)

CPC (source: EP)
A47L 9/009 (2013.01); **A47L 9/327** (2013.01)

Citation (applicant)
• EP 1360922 A2 20031112 - ROYAL APPLIANCE MFG [US]
• EP 0930840 A1 19990728 - KONINKL PHILIPS ELECTRONICS NV [NL], et al

Citation (search report)
• [AD] EP 1360922 B1 20080917 - ROYAL APPLIANCE MFG [US]
• [AD] EP 0930840 B1 20051214 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
• [A] EP 1806086 A2 20070711 - SAMSUNG ELECTRONICS CO LTD [KR]

Cited by
EP2965680A1; CN105266721A; US9913564B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2301401 A1 20110330; CN 102028428 A 20110427; WO 2011036615 A1 20110331

DOCDB simple family (application)
EP 09171312 A 20090925; CN 201010290986 A 20100921; IB 2010054214 W 20100917