

Title (en)

Vacuum cleaner with reversible rotary agitator

Title (de)

Staubsauger mit umkehrbarer Klopfwalze

Title (fr)

Aspirateur pourvu d'un agitateur dont le mouvement rotatif peut être inversé

Publication

EP 1371317 A2 20031217 (EN)

Application

EP 03251436 A 20030310

Priority

US 36296002 P 20020308

Abstract (en)

A vacuum cleaner (10) includes a cannister assembly (18), a nozzle assembly (16), and a suction generator (33) that draws air, dust, dirt and debris from a surface to be cleaned through the nozzle assembly (16) to a collection vessel (12). A rotary agitator (38) carried on the nozzle assembly (16) is driven by a motor (40) in a forward or a rearward direction. Depending upon the direction of rotation, the rotary agitator (38) propels the nozzle assembly (16) in the forward or rearward direction. <IMAGE>

IPC 1-7

A47L 5/30; **A47L 9/04**; **A47L 9/28**; **A47L 9/32**

IPC 8 full level

A47L 5/30 (2006.01); **A47L 9/00** (2006.01); **A47L 9/04** (2006.01); **A47L 9/14** (2006.01); **A47L 9/16** (2006.01); **A47L 9/28** (2006.01); **A47L 9/32** (2006.01)

CPC (source: EP US)

A47L 5/30 (2013.01 - EP US); **A47L 9/009** (2013.01 - EP US); **A47L 9/2805** (2013.01 - EP US); **A47L 9/2847** (2013.01 - EP US); **A47L 9/325** (2013.01 - EP US)

Cited by

EP4252606A1; GB2393111A; EP1707099A1; AU2012365481B2; CN106108780A; US8776311B2; US8898858B2; WO2013104886A1; US8776310B2; DE102022107565A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1371317 A2 20031217; **EP 1371317 A3 20050105**; CA 2421314 A1 20030908; JP 2003325397 A 20031118; MX PA03002065 A 20040903; US 2004000023 A1 20040101

DOCDB simple family (application)

EP 03251436 A 20030310; CA 2421314 A 20030307; JP 2003062038 A 20030307; MX PA03002065 A 20030310; US 38392703 A 20030307