

Title (en)
Electric vacuum cleaner

Title (de)
Elektrischer Staubsauger

Title (fr)
Aspirateur électrique

Publication
EP 1736088 A3 20071121 (EN)

Application
EP 06007544 A 20060411

Priority
JP 2005185757 A 20050624

Abstract (en)
[origin: EP1736088A2] An electric vacuum cleaner comprises a vertical type cleaner body (1) provided with a dust collection chamber (9) a handle (2) protrusively provided on an upper portion of the cleaner body (1), a suction nozzle (4) provided on an lower portion of the cleaner body (1) in such a manner as to communicate with the dust collection chamber (9) being rotatable back and forth with respect to the cleaner body (1) and being contactable with a surface to be cleaned, an electric fan (7) provided in the suction nozzle (4), and a rotary brush (12) which is rotated by the electric fan (7) and is built in the suction nozzle (4). A clutch mechanism (32) which transmits and interrupts power to the rotary brush (12) is provided between the rotary brush (12) and the electric fan (7). The suction nozzle (4) is rotatably provided on the cleaner body (1) via a hinge mechanism (5). The clutch mechanism (32) is coupled to the hinge mechanism (5) by a link mechanism (42).

IPC 8 full level
A47L 5/30 (2006.01)

CPC (source: EP US)
A47L 5/30 (2013.01 - EP US)

Citation (search report)
• [X] GB 2271275 A 19940413 - VAX LTD [GB]
• [X] US 5839160 A 19981124 - WANG CHIEH-CHUN [TW], et al
• [X] GB 2336993 A 19991110 - HOOVER CO [US]
• [X] US 2601698 A 19520701 - HUMPHREY WARREN A

Cited by
EP3222184A4; US10335002B2; US8572804B2; DE202011104043U1; US10188247B2; US10517452B2; US10610071B2; WO2017096717A1; WO2017096724A1; WO2017096725A1

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

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1736088 A2 20061227; EP 1736088 A3 20071121; JP 2007000465 A 20070111; US 2006288521 A1 20061228

DOCDB simple family (application)
EP 06007544 A 20060411; JP 2005185757 A 20050624; US 29581105 A 20051207