

Title (en)
ELECTRIC VACUUM CLEANER

Title (de)
ELEKTRISCHER STAUBSAUGER

Title (fr)
ASPIRATEUR ÉLECTRIQUE

Publication
EP 3357394 A4 20190522 (EN)

Application
EP 16851555 A 20160927

Priority
• JP 2015191925 A 20150929
• JP 2016078499 W 20160927

Abstract (en)
[origin: EP3357394A1] Provided is a vacuum cleaner capable of suppressing noise and sanitary disposing of dust and dirt, while efficiently collecting dust and dirt by use of a first centrifuge separator and a plurality of second centrifuge separators. The first centrifuge separator (47) centrifuges dust and dirt by swirling dust-including air around a shroud part (66) along an inner face of a casing (45). Each of the plurality of second centrifuge separators (48) centrifuges smaller dust and dirt compared to dust and dirt centrifuged by the first centrifuge separator (47) by swirling dust-including air having passed through the first centrifuge separator (47) along an inner face of a cone part (63). A first storage part (70) stores the dust and dirt centrifuged by the first centrifuge separator (47). A second storage part (71) stores the dust and dirt centrifuged by each of the plurality of second centrifuge separators (48). Each of the plurality of second centrifuge separators (48) is respectively located inside a separator part (67). The first storage part (70) and the second storage part (71) are partitioned into an outer part and an inner part of a separator body portion (61), due to close contact between the separator body portion (61) and the casing (45).

IPC 8 full level
A47L 9/16 (2006.01); **A47L 9/00** (2006.01)

CPC (source: EP KR)
A47L 9/00 (2013.01 - EP); **A47L 9/16** (2013.01 - EP); **A47L 9/1608** (2013.01 - KR); **A47L 9/1625** (2013.01 - EP); **A47L 9/1641** (2013.01 - EP)

Citation (search report)
• [X] US 2009113859 A1 20090507 - OH JANK-KEUN [KR], et al
• [A] EP 2279685 A1 20110202 - DYSON TECHNOLOGY LTD [GB]
• [A] EP 2055220 A2 20090506 - SAMSUNG KWANGJU ELECTRONICS CO [KR]
• [A] EP 1898768 A1 20080319 - DYSON TECHNOLOGY LTD [GB]
• [A] EP 2835088 A1 20150211 - POLTI SPA [IT]
• See references of WO 2017057384A1

Designated contracting state (EPC)
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EP 3357394 A1 20180808; EP 3357394 A4 20190522; CN 107105955 A 20170829; CN 107105955 B 20200714; JP 2017063967 A 20170406; JP 6690911 B2 20200428; KR 101981446 B1 20190524; KR 20170063732 A 20170608; MY 188252 A 20211124; TW 201711618 A 20170401; TW I653024 B 20190311; WO 2017057384 A1 20170406

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