

Title (en)
DUST COLLECTOR BRUSH HEAD AND DUST COLLECTION METHOD

Title (de)
STAUBSAMMELBÜRSTENKOPF UND STAUBSAMMELVERFAHREN

Title (fr)
TÊTE DE BROSSE DE DISPOSITIF DE COLLECTE DE POUSSIÈRE ET PROCÉDÉ DE COLLECTE DE POUSSIÈRE

Publication
EP 3815593 B1 20230823 (EN)

Application
EP 19939050 A 20190911

Priority
• CN 201910706861 A 20190801
• CN 2019105375 W 20190911

Abstract (en)
[origin: EP3815593A1] The present invention provides a vacuum cleaner brush head and a dust collection method. The vacuum cleaner brush head includes a brush head body, a front wiping plate, a rear wiping plate, a wiping plate driving device, and a water spraying assembly; a dust collection pipe is provided in the brush head body; the dust collection pipe has a dust collection port formed on the front side of the bottom of the brush head body; a water spraying port of the water spraying assembly is provided on the bottom of the brush head body and located between the front wiping plate and the rear wiping plate; the wiping plate driving device is transmittingly connected to the front wiping plate and the rear wiping plate, and is configured to drive the front wiping plate and the rear wiping plate to move reciprocally in opposite directions; the front wiping plate is provided with a dust passing hole penetrating the upper and lower ends thereof, and the dust passing hole is located below the dust collection port, and is configured to keep the dust collection port overlapping the dust passing hole when moving reciprocally along with the front wiping plate. Therefore, the all-in-one cleaning function of dust collection, dry wiping and wet wiping is implemented; and compared with the prior art, the vacuum cleaner brush head can give consideration to the thorough cleaning of multiple types of garbage, thereby significantly increasing the operation area and improving the operation efficiency and cleaning effect of dust collection cleaning of the vacuum cleaner brush head.

IPC 8 full level
A47L 11/284 (2006.01); **A47L 9/00** (2006.01); **A47L 9/02** (2006.01); **A47L 9/04** (2006.01); **A47L 9/06** (2006.01); **A47L 9/24** (2006.01); **A47L 11/24** (2006.01)

CPC (source: CN EP KR US)
A47L 9/00 (2013.01 - CN); **A47L 9/02** (2013.01 - CN); **A47L 9/0427** (2013.01 - EP); **A47L 9/0483** (2013.01 - CN EP US); **A47L 9/0488** (2013.01 - US); **A47L 9/0686** (2013.01 - EP); **A47L 9/242** (2013.01 - EP KR); **A47L 9/246** (2013.01 - KR); **A47L 9/2805** (2013.01 - US); **A47L 9/2847** (2013.01 - US); **A47L 11/4011** (2013.01 - KR); **A47L 11/4044** (2013.01 - KR); **A47L 11/4069** (2013.01 - KR); **A47L 11/4083** (2013.01 - KR); **A47L 11/4088** (2013.01 - KR); **A47L 11/4094** (2013.01 - KR)

Cited by
CN114010107A

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3815593 A1 20210505; **EP 3815593 A4 20211201**; **EP 3815593 B1 20230823**; CN 110710927 A 20200121; CN 212213643 U 20201225; JP 2021533838 A 20211209; JP 7058023 B2 20220421; KR 102418364 B1 20220706; KR 20210015750 A 20210210; US 2022142428 A1 20220512; WO 2021017110 A1 20210204

DOCDB simple family (application)
EP 19939050 A 20190911; CN 2019105375 W 20190911; CN 201910860771 A 20190911; CN 201922258126 U 20191216; JP 2020546880 A 20190911; KR 20207025609 A 20190911; US 201917268581 A 20190911