

Title (en)
SUCTION HEAD FOR APPLICATION IN A VACUUM CLEANER

Title (de)
SAUGKOPF ZUR VERWENDUNG IN EINEM STAUBSAUGER

Title (fr)
TÊTE D'ASPIRATION POUR APPLICATION DANS UN ASPIRATEUR

Publication
EP 4059405 A1 20220921 (EN)

Application
EP 21163038 A 20210317

Priority
EP 21163038 A 20210317

Abstract (en)
In a suction head (101) that is of the type that is configured to be applied in a vacuum cleaner and to perform a cleaning action on a surface (10), and that comprises a housing (30) and two rotatable brushes (20) in a substantially parallel arrangement in the housing (30), a surface (32) of the housing (30) facing the brushes (20) comprises two adjacent concavely curved areas (34, 35), wherein each of those areas (34, 35) covers a portion of a respective one (20a, 20b) of the brushes (20). Further, the surface (32) is provided with an outlet opening (31) that is in fluid communication with a coupling area (33) of the suction head (101), and the outlet opening (31) is at a position of an interface of the concavely curved areas (34, 35) and is dimensioned to cover only a portion of a length of the brushes (20).

IPC 8 full level
A47L 11/34 (2006.01); **A47L 9/04** (2006.01); **A47L 11/40** (2006.01)

CPC (source: CN EP KR US)
A47L 7/0004 (2013.01 - CN); **A47L 7/0009** (2013.01 - CN US); **A47L 9/04** (2013.01 - CN); **A47L 9/0477** (2013.01 - CN EP KR US); **A47L 11/34** (2013.01 - EP KR); **A47L 11/4041** (2013.01 - EP KR)

Citation (applicant)
• WO 2011083373 A1 20110714 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
• WO 2012107876 A1 20120816 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
• WO 2017071727 A1 20170504 - KONINKLIJKE PHILIPS NV [NL]

Citation (search report)
• [A] US 2014289999 A1 20141002 - GILBERT JR DUANE LEIGH [US], et al
• [AD] WO 2011083373 A1 20110714 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
• [A] JP S57189546 U 19821201

Designated contracting state (EPC)
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Designated extension state (EPC)
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EP 4059405 A1 20220921; AU 2022240881 A1 20231102; CN 115104953 A 20220927; CN 218870144 U 20230418; EP 4262506 A1 20231025; EP 4262506 B1 20240508; JP 2024508192 A 20240222; KR 102659063 B1 20240422; KR 20230133397 A 20230919; US 2024156311 A1 20240516; WO 2022194631 A1 20220922

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EP 21163038 A 20210317; AU 2022240881 A 20220309; CN 202210247390 A 20220314; CN 202220548524 U 20220314; EP 2022055993 W 20220309; EP 22711241 A 20220309; JP 2023557023 A 20220309; KR 20237030220 A 20220309; US 202318282473 A 20230309