

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)  
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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**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

DOCDB simple family (application)  
**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