

Title (en)
CLEANER HEAD

Title (de)
REINIGERKOPF

Title (fr)
TÊTE DE DISPOSITIF DE NETTOYAGE

Publication
EP 3454709 B1 20200701 (EN)

Application
EP 17725336 A 20170511

Priority
• GB 201608295 A 20160511
• GB 2017051311 W 20170511

Abstract (en)
[origin: GB2550180A] A cleaner head 10 for a vacuum cleaner comprises a suction inlet 20 defined in the lower face of a housing 11 and a suction passageway 20A through the housing 11, the suction passageway 20A being in fluid communication with the suction inlet 20. A rotatable sealing element 40 is located at a front of the housing 11. The rotatable sealing element 40 has a rotational axis 41 which is parallel to the lower face of the cleaner head 10 and the housing 11 at least partially surrounds the rotatable sealing element 40. An agitator 60 is positioned rearwards of the rotatable sealing element 40. The suction passageway 20A is located between the agitator 60 and the rotatable sealing element 40. A shielding member 50 may be located between the agitator 60 and the rotatable sealing element 40 with the suction passageway 20A being in fluid communication with a portion of the rotatable sealing element 40 above the shielding member 50. The rotatable sealing element 40 preferably includes an outer layer of resiliently deformable material such as closed cell foam. The rotatable sealing element 40 may include radially-extending blades.

IPC 8 full level
A47L 9/02 (2006.01); **A47L 9/04** (2006.01)

CPC (source: EP GB US)
A47L 9/02 (2013.01 - EP GB US); **A47L 9/04** (2013.01 - GB); **A47L 9/0477** (2013.01 - EP US); **A47L 9/0483** (2013.01 - EP US); **A47L 9/0488** (2013.01 - EP US)

Citation (opposition)
Opponent : Dyson Technology Limited (GB),
• GB 2520549 A 20150527 - HOOVER LTD [GB]
• BE 905711 A 19870302 - KEYSER JEAN MARIE DE
• US 1891503 A 19321220 - SMELLIE DONALD G
• JP 2003339589 A 20031202 - TOSHIBA TEC KK
• EP 2218385 A2 20100818 - SAMSUNG KWANGJU ELECTRONICS CO [KR]

Cited by
CN114554921A; EP4311466A1; FR3138290A1; WO2021069862A1; WO2024023449A1; WO2020239446A1

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)
GB 201608295 D0 20160629; **GB 2550180 A 20171115**; **GB 2550180 B 20180502**; CN 109195495 A 20190111; EP 3454709 A2 20190320; EP 3454709 B1 20200701; ES 2819883 T3 20210419; JP 2019514661 A 20190606; US 2019150686 A1 20190523; WO 2017194946 A2 20171116; WO 2017194946 A3 20171214

DOCDB simple family (application)
GB 201608295 A 20160511; CN 201780028994 A 20170511; EP 17725336 A 20170511; ES 17725336 T 20170511; GB 2017051311 W 20170511; JP 2019511817 A 20170511; US 201716099569 A 20170511