

Title (en)
VACUUM CLEANER NOZZLE

Title (de)
STAUBSAUGERDÜSE

Title (fr)
SUCEUR D'ASPIRATEUR

Publication
EP 3181029 A1 20170621 (EN)

Application
EP 16204473 A 20161215

Priority
CN 201510961243 A 20151218

Abstract (en)
A vacuum cleaner head has a floor-engaging soleplate which comprises a bottom surface 17 which defines a transversely extending suction mouth 15. The bottom surface 17 has substantially flat front and rear surface portions 17F, 17R which respectively extend from front and rear edges of the suction mouth 15. A rib 21 extends across the rear portion 17R behind the suction mouth 15. When the head is moved forwardly over a carpet to be cleaned, the rib 21 penetrates, agitates and flicks engrained dust in the carpet pile towards the surface of the carpet. When the head is moved rearwardly, the displaced dust on the surface of the carpet is drawn into the suction mouth 15 under the action of airflow and reduced agitation. The repeated backwards and forwards movement of the head brings more deeply embedded dust to the surface of the carpet on successive strokes.

IPC 8 full level
A47L 9/02 (2006.01); **A47L 9/06** (2006.01)

CPC (source: CN EP)
A47L 9/02 (2013.01 - CN EP); **A47L 9/0606** (2013.01 - EP)

Citation (search report)

- [X] US 2003182752 A1 20031002 - PORATH STEVEN H [US]
- [X] EP 1210898 A1 20020605 - WESSEL WERK GMBH [DE]
- [X] DE 102007022256 A1 20081113 - MIELE & CIE [DE]
- [A] US 2703905 A 19550315 - JOHAN FAITH-ELL LARS

Cited by
DE102019212569A1; EP3488752A1; EP3718453A1; FR3094623A1; DE102019212569B4

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

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