

Title (en)

DUST FILTER BAG FOR A VACUUM CLEANER AND ASSEMBLY OF A DUST FILTER BAG IN A VACUUM CLEANER

Title (de)

STAUBFILTERBEUTEL FÜR EINEN STAUBSAUGER SOWIE ANORDNUNG EINES STAUBFILTERBEUTELS IN EINEM STAUBSAUGER

Title (fr)

SAC DE FILTRE À POUSSIÈRE POUR UN ASPIRATEUR ET SYSTÈME D'UN SAC DE FILTRE À POUSSIÈRE DANS UN ASPIRATEUR

Publication

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Application

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Abstract (en)

[origin: CN104939754A] The invention first relates to a dust filter bag (4) for a vacuum cleaner (1), in particular an electric motor driven vacuum cleaners (1), optionally also a vacuum cleaner (1) in the form of an automatically movable floor cleaning appliance, with a holding plate (11) to which a dust bag (12) is fastened, and which has a preferably closable entry port (18) for in a direction substantially perpendicular to an opening surface of the entry opening (18) in an insertion direction of the flowing, dust-laden air, said further upstream counter to the entry direction of the dust-laden air to a mounting surface (22) of the dust bag (4) on the holding plate (11) a lower gripping portion (24) is formed of the retaining plate (11). For further development of the dust filter bag is suggested that the lower grip portion (24) in one of the insertion direction corresponding projection direction in coverage is to a mounting surface (22) forming, or in this merging portion (23) of the holding plate (11), between the lower grip portion (24) and the part (23) of the holding plate (11) engaging a space (25) remains. Furthermore, the invention relates to the arrangement of a dust filter bag (4) with a holding plate (11) and one to the holding plate (11) secured to the dust bag (12) in a vacuum cleaner (1).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XA] EP 1607034 A1 20051221 - BRANOFILTER GMBH [DE]
- [XA] EP 0362624 A1 19900411 - LICENTIA GMBH [DE]
- [XA] CN 102885599 A 20130123 - ZHEJIANG ZHAOHUI FILTER TECHNOLOGY CO LTD & DE 112013003872 T5 20150507 - ZHEJIANG ZHAOHUI FILTRATION TECHNOLOGY CO [CN]
- [A] DE 102008046200 A1 20090402 - VORWERK CO INTERHOLDING [DE]
- [XP] EP 2772173 A1 20140903 - WOLF PVG GMBH & CO KG [DE]
- [A] DE 20119853 U1 20020328 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- [A] DE 102012104728 A1 20131205 - VORWERK CO INTERHOLDING [DE]
- [AP] DE 102013112547 A1 20140522 - VORWERK CO INTERHOLDING [DE]

Cited by

EP3505035A1; CN109984681A; EP3922156A1; US10779695B2; US11641990B2

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