

Title (en)

NOISE REDUCTION IN A VACUUM CLEANER UNIT

Title (de)

GERÄUSCHVERMINDERUNG IN EINER STAUBSAUGEREINHEIT

Title (fr)

RÉDUCTION DU BRUIT DANS UNE UNITÉ D'ASPIRATEUR

Publication

**EP 4233660 A1 20230830 (EN)**

Application

**EP 22158129 A 20220223**

Priority

EP 22158129 A 20220223

Abstract (en)

In the field of handheld vacuum cleaners, a vacuum cleaner unit (4) is provided that comprises a motor-fan aggregate (10) and a main body housing (30) accommodating the motor-fan aggregate (10), wherein a sleeve-shaped wall (31) of the main body housing (30) is arranged to surround at a distance an aggregate housing (20), at an exterior of the vacuum cleaner unit (4). The aggregate housing (20) has at least one aggregate air outlet opening (25), and the sleeve-shaped wall (31) has at least one main air outlet opening (36). An air channel (40) from the at least one aggregate air outlet opening (25) to the at least one main air outlet opening (36) comprises space that is present between an exterior surface (27) of the aggregate housing (20) and an interior surface (37) of the sleeve-shaped wall (31), which contributes to reduction of noise in the vacuum cleaner unit (4).

IPC 8 full level

**A47L 9/00** (2006.01); **A47L 5/24** (2006.01); **A47L 9/22** (2006.01)

CPC (source: EP)

**A47L 5/24** (2013.01); **A47L 9/0081** (2013.01); **A47L 9/22** (2013.01)

Citation (applicant)

EP 3184011 A1 20170628 - SEB SA [FR]

Citation (search report)

- [X] EP 1266501 A1 20021218 - NILFISK ADVANCE AS [DK]
- [I] DE 3027701 A1 19820211 - MAUZ & PFEIFFER PROGRESS [DE]
- [AD] EP 3184011 A1 20170628 - SEB SA [FR]
- [A] US 2014328670 A1 20141106 - LAMB JAMES HOPE [GB]

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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