

Title (en)
SUCTION DEVICE

Title (de)
SAUGGERÄT

Title (fr)
ASPIRATEUR

Publication
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Application
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Abstract (en)
[origin: WO2016112959A1] The invention relates to a suction device, which comprises a suction unit (26), a dirt collection container (12), a filter apparatus (21), wherein the dirt collection container (12) is fluidically connected to the suction unit (26) via the filter apparatus (21), and a cleaning apparatus (33) for the filter apparatus (21), wherein the cleaning apparatus (33) forms a noise source for noise emissions in a frequency range below 2000 Hz and wherein at least one hole plate resonator (84) is associated with the cleaning apparatus (33), wherein the at least one hole plate resonator (84) has a chamber (85) having a chamber space (88) and a chamber wall (86) and has at least one hole plate (90), which covers the chamber space (88), and wherein the at least one hole plate (90) has a sound-effective connection to the cleaning device (33).

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Citation (examination)

- JP 2009100840 A 20090514 - PANASONIC CORP
- GB 2501992 A 20131113 - LG ELECTRONICS INC [KR]
- CN 100372489 C 20080305 - LG ELECTRONICS TIANJIN [CN]
- JP 2007111308 A 20070510 - MATSUSHITA ELECTRIC IND CO LTD
- DE 60125367 T2 20070927 - NILFISK ADVANCE AS [DK]
- JP H0630861 A 19940208 - TOKYO ELECTRIC CO LTD
- DE 102009054490 A1 20110616 - POROSON GMBH [DE]

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