

Title (en)
Suction device

Title (de)
Sauggerät

Title (fr)
Dispositif d'aspiration

Publication
EP 1685784 A1 20060802 (DE)

Application
EP 05001608 A 20050127

Priority
EP 05001608 A 20050127

Abstract (en)
A suction device with a dirt collecting box (12), a suction inlet (16), an outlet which can be closed by a float valve and a filter element upstream from the suction unit, in which a flow guide (20) is mounted at the inlet (16) so as to divide the suction flow (70) into at least two part-streams (71, 72) showing directional flow components which are opposite to one another and at right angles to a vertical axis of the dirt collector (12).

IPC 8 full level
A47L 7/00 (2006.01); **A47L 5/36** (2006.01); **B01D 45/08** (2006.01)

CPC (source: EP)
A47L 5/365 (2013.01); **A47L 7/0019** (2013.01); **A47L 7/0028** (2013.01); **A47L 9/165** (2013.01)

Citation (applicant)
• US 3820310 A 19740628 - FROMKNECHT C, et al
• US 4809396 A 19890307 - HOUSER FRANKLIN C [US]

Citation (search report)
• [X] US 4809396 A 19890307 - HOUSER FRANKLIN C [US]
• [A] US 5954863 A 19990921 - LOVELESS MICHAEL L [US], et al
• [DA] US 3820310 A 19740628 - FROMKNECHT C, et al
• [A] US 5795358 A 19980818 - SCANLON JOHN J [US], et al
• [A] US 2004089157 A1 20040513 - VON STACKELBERG ROLAND [CA]
• [A] US 4623366 A 19861118 - BERFIELD ROBERT C [US], et al

Cited by
CN102319043A; CN105120725A; FR3022132A1; CN102196755A; EP2335543A4; EP1787562A1; EP1787560A1; CN103702600A; WO2010026237A1; WO2007059937A1; WO2007059936A1; US8382871B2; EP3542693A1; CN111818832A; CN111818833A; JP2021517042A; JP2021517041A; US8157879B2; US11116369B2; US11452412B2; US11937759B2; WO2019180108A1; WO2019180109A1

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DE IT

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