

Title (en)  
SUCTION APPARATUS FOR DIRT

Publication  
**EP 0099466 B1 19870916 (DE)**

Application  
**EP 83105740 A 19830611**

Priority  
DE 3225258 A 19820706

Abstract (en)  
[origin: US4665581A] A vacuum cleaner apparatus having separate passages for outgoing air from the blower and for cooling air for the blower motor, and having a number of turns in each of said passages, each of said passages having a plurality of variations in cross-sectional area, the passages being provided with sound-absorbent linings.

IPC 1-7  
**A47L 9/00**

IPC 8 full level  
**A47L 9/00** (2006.01)

CPC (source: EP US)  
**A47L 9/0081** (2013.01 - EP US); **G10K 2210/112** (2013.01 - EP US)

Cited by  
WO2010026234A1; EP4129134A1; EP0528451A1; EP0382926A1; EP0289987A3; DE102004005500A1; EP1559359A3; AU2001242317B2; EP0415076A3; EP1803381A3; EP1172059A1; EP0345699A3; GB2208098A; GB2208098B; WO0205697A1; WO0174025A1; US7610654B2; US7337876B2

Designated contracting state (EPC)  
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**EP 0099466 A1 19840201; EP 0099466 B1 19870916; EP 0099466 B2 19911218**; AT E29654 T1 19871015; DE 3225258 A1 19840112; DE 3225258 C2 19851128; DE 3373618 D1 19871022; US 4665581 A 19870519; ZA 834398 B 19840328

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**EP 83105740 A 19830611**; AT 83105740 T 19830611; DE 3225258 A 19820706; DE 3373618 T 19830611; US 81696786 A 19860108; ZA 834398 A 19830615