

Title (en)
CYCLONIC VACUUM CLEANER

Title (de)
ZYKLONSTAUBSAUGER

Title (fr)
ASPIRATEUR A CYCLONE

Publication
EP 0647114 B1 19970326 (EN)

Application
EP 93913422 A 19930624

Priority
• GB 9225599 A 19921208
• GB 9301325 W 19930624
• US 97544692 A 19920624

Abstract (en)
[origin: WO9400046A1] A vacuum cleaner comprising a dirty air inlet (12, 14) communicating with a clean air outlet by means of an airflow path has a cyclone (18) arranged in the airflow path. In use, air flowing along the airflow path from the dirty air inlet (12, 14) to the clean air outlet passes through the cyclone (18). At least one bleed valve (20) is arranged in the wall of the airflow path upstream of the cyclone (18). Preferably, three bleed valves (20) are located in the wall of the airflow path and, more preferably, the bleed valves (20) are substantially identical to one another. Control means (94, 102) may be provided for controlling the amount of air bled through the bleed valve (76) when a single bleed valve is provided.

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A47L 9/16

IPC 8 full level
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CPC (source: EP)
A47L 9/1625 (2013.01); **A47L 9/165** (2013.01); **A47L 9/19** (2013.01)

Cited by
DE102005041170B3; DE102005047812A1; DE102008004393B3; DE102006046328A1; DE102006046328B4; US6228151B1; WO2007022959A2; EP2078488A2; WO0004816A1

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WO 9400046 A1 19940106; AT E150630 T1 19970415; AU 4350293 A 19940124; AU 669539 B2 19960613; CA 2138985 A1 19940106; CA 2138985 C 20040120; DE 69309275 D1 19970430; DE 69309275 T2 19970904; DE 69309275 T3 20020627; EP 0647114 A1 19950412; EP 0647114 B1 19970326; EP 0647114 B2 20011114; ES 2099450 T3 19970516; HK 1000865 A1 19980501; JP 3207201 B2 20010910; JP H08501226 A 19960213; SG 46302 A1 19980220

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