

Title (en)
CYCLONE COLLECTOR FOR VACUUM CLEANER

Title (de)
STAUBSAUGER MIT ZYKLON-STAUSSAMMELVORRICHTUNG

Title (fr)
COLLECTEUR A CYCLONE POUR ASPIRATEUR

Publication
EP 1268077 A1 20030102 (EN)

Application
EP 00911446 A 20000313

Priority
• KR 0000199 W 20000313
• KR 19990038110 A 19990908

Abstract (en)
[origin: WO0117688A1] A cyclone collector for vacuum cleaner including a cyclone body (1, 11, 31), a contaminated air suction inlet (2, 12, 32) for sucking contaminants and air into the cyclone body (1, 11, 31), and air vent (4, 13, 33) for exhausting air purified in the cyclone body (1, 11, 31), and a contaminant vent (5, 14, 34) for exhausting the contaminants separated from the cyclone body (1, 11, 31), is characterized in that the cyclone body (1, 11, 31) includes a flow guide means (7, 17, 37; 8, 18, 38) therein, which is disposed opposite to the air vent (4, 13, 33) so as to improve swirl force inside the cyclone body (1, 11, 31) and prevent swirl flow and exhaust air flow from interfering with each other.

IPC 1-7
B04C 7/00

IPC 8 full level
A47L 9/16 (2006.01); **B01D 45/16** (2006.01); **B04C 3/00** (2006.01); **B04C 5/00** (2006.01); **B04C 5/103** (2006.01); **B04C 5/185** (2006.01); **B04C 7/00** (2006.01)

CPC (source: EP KR)
A47L 9/1608 (2013.01 - EP); **A47L 9/1683** (2013.01 - EP); **B01D 45/16** (2013.01 - EP); **B04C 3/00** (2013.01 - EP); **B04C 5/103** (2013.01 - EP); **B04C 5/185** (2013.01 - EP); **B04C 7/00** (2013.01 - EP KR)

Designated contracting state (EPC)
AT BE CH DE FR IT LI

DOCDB simple family (publication)
WO 0117688 A1 20010315; AU 3331900 A 20010410; AU 769064 B2 20040115; CN 100551546 C 20091021; CN 1377304 A 20021030; EP 1268077 A1 20030102; EP 1268077 A4 20080423; GB 2353962 A 20010314; GB 2353962 B 20020320; GB 9930802 D0 20000216; KR 20010026685 A 20010406; RU 2221648 C2 20040120

DOCDB simple family (application)
KR 0000199 W 20000313; AU 3331900 A 20000313; CN 00813794 A 20000313; EP 00911446 A 20000313; GB 9930802 A 19991230; KR 19990038110 A 19990908; RU 2002108727 A 20000313