

Title (en)  
Centrifugal blower for vacuum cleaner

Title (de)  
Kreiselgebläse für Staubsauger

Title (fr)  
Soufflante centrifugal pour aspirateur

Publication  
**EP 1297772 A2 20030402 (EN)**

Application  
**EP 02013503 A 20020617**

Priority  

- KR 20010059485 A 20010926
- KR 20020000250 A 20020103
- KR 20020000253 A 20020103

Abstract (en)  
Disclosed is a centrifugal blower for a vacuum cleaner capable of achieving an improvement in motor cooling efficiency. The centrifugal blower includes air guides so that air sequentially passing through an impeller (54), diffuser vanes (56), and guide vanes (7) is guided in a concentrated fashion toward the rotor (64) of a motor (60). Accordingly, the rotor (64) generating a large amount of heat during operation of the motor (60) is effectively cooled, so that it is possible to achieve an improvement in the reliability of the motor while extending the life span of the motor, and reducing the insulation grade of the motor. <IMAGE>

IPC 1-7  
**A47L 5/22; A47L 9/22**

IPC 8 full level  
**A47L 5/22** (2006.01)

CPC (source: EP)  
**A47L 5/22** (2013.01)

Cited by  
US8616841B2; EP1618821A3; CN100449156C; EP1538342A3; US7223070B2; US9243844B2; US10124135B2; US11191913B2

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 1297772 A2 20030402; EP 1297772 A3 20030813; EP 1297772 B1 20100331; DE 60235788 D1 20100512**

DOCDB simple family (application)  
**EP 02013503 A 20020617; DE 60235788 T 20020617**