

Title (en)  
Centrifugal blower for vacuum cleaner

Title (de)  
Kreiselgebläse für Staubsauger

Title (fr)  
Soufflante centrifugal pour aspirateur

Publication  
**EP 1297772 A3 20030813 (EN)**

Application  
**EP 02013503 A 20020617**

Priority  
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• KR 20020000253 A 20020103

Abstract (en)  
[origin: EP1297772A2] 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>

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**A47L 5/22; A47L 9/22**

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

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

Citation (search report)  
• [Y] WO 0072740 A1 20001207 - TUERK ELEK K ENDUESTRISI A & S [TR], et al  
• [A] US 6166462 A 20001226 - FINKENBINDER DAVID B [US], et al  
• [XAY] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 03 31 March 1997 (1997-03-31)  
• [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 14 31 December 1998 (1998-12-31)

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

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