

Title (en)

Blower assembly with impeller for vacuum cleaner.

Title (de)

Staubsaugergebläse mit Laufrad.

Title (fr)

Soufflante d'aspirateur avec roue de ventilateur.

Publication

**EP 0467557 B1 19941214 (EN)**

Application

**EP 91306038 A 19910703**

Priority

JP 19054090 A 19900720

Abstract (en)

[origin: EP0467557A1] A vacuum cleaner blower assembly has a blower motor (81), a vaned centrifugal impeller (90) driven by the blower motor (81) and an air diffuser (89) radially beyond the periphery of the impeller. In order to improve air flow efficiency at the impeller inlet and outlet, the impeller (90) has a shroud plate (97) which, as seen in axial section, curves away from the vane inlet region towards its inner edge and the air diffuser (89) has vanes (94) with an inlet angle in the range 1 to 4 DEG . <IMAGE>

IPC 1-7

**A47L 5/22**

IPC 8 full level

**A47L 9/00** (2006.01); **A47L 5/22** (2006.01); **F04D 29/44** (2006.01)

CPC (source: EP KR)

**A47L 5/22** (2013.01 - EP); **A47L 9/08** (2013.01 - KR)

Cited by

CZ297722B6; EP0874160A3; CN103321922A; DE19855905B4; EP0874160A2; WO9838899A1; WO0015963A1; WO9719629A1

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

**EP 0467557 A1 19920122**; **EP 0467557 B1 19941214**; **EP 0467557 B2 20010926**; DE 69105845 D1 19950126; DE 69105845 T2 19950427; DE 69127832 D1 19971106; DE 69127832 T2 19980430; EP 0602007 A2 19940615; EP 0602007 A3 19941228; EP 0602007 B1 19971001; JP 2852106 B2 19990127; JP H0481600 A 19920316; KR 0180742 B1 19990201; KR 920002084 A 19920228

DOCDB simple family (application)

**EP 91306038 A 19910703**; DE 69105845 T 19910703; DE 69127832 T 19910703; EP 94101775 A 19910703; JP 19054090 A 19900720; KR 910012210 A 19910718