

Title (en)

Vacuum cleaner having an impeller and diffuser

Title (de)

Staubsauger mit Gebläserad und Diffusor

Title (fr)

Soufflante et diffuseur d'aspirateur

Publication

EP 0602007 B1 19971001 (EN)

Application

EP 94101775 A 19910703

Priority

- EP 91306038 A 19910703
- 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; **A47L 9/00**

IPC 8 full level

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CPC (source: EP KR)

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Cited by

CZ297722B6; EP1048258A3; CN1102370C; EP1878376A3; US8152488B2; WO9829308A1; WO9737423A3; WO9838899A1; EP3450766A1; DE102017215261A1; JP2008019869A; WO9730621A1

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