

Title (en)

Electric blower and electric cleaner using the same

Title (de)

Elektrisches Gebläse für ein elektrisches Reinigungsgerät

Title (fr)

Ventilateur électrique pour nettoyeur électrique

Publication

EP 1923572 B1 20150729 (EN)

Application

EP 07012832 A 20070629

Priority

JP 2006307424 A 20061114

Abstract (en)

[origin: EP1923572A2] There is provided an electric blower capable of satisfactorily enhancing the blowing efficiency of an impeller and an electric cleaner having the electric blower. In the electric blower of the present invention, an area of a passage cross-section perpendicular to a center line of a passage, defined by front shroud 2, rear shroud 3 and hub 6 of inducer 8 from inlet 5 to outlet 25 of impeller 1, is monotonically increased from inlet 5 to outlet 25. Accordingly, air flow speed depending on the flow rate in impeller 1 is gradually decreased throughout the whole passage from inlet 5 to outlet 25, so that acceleration or rapid deceleration of the air flow speed is prevented, thereby satisfactorily enhancing the blowing efficiency.

IPC 8 full level

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CPC (source: EP KR)

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Cited by

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EP 07012832 A 20070629; CN 200710096774 A 20070412; CN 200720139698 U 20070412; JP 2006307424 A 20061114; KR 20070066813 A 20070704