

Title (en)
Blowing device

Title (de)
Blasvorrichtung

Title (fr)
Dispositif de soufflage

Publication
EP 1683972 A2 20060726 (EN)

Application
EP 05028212 A 20051222

Priority
KR 20050006643 A 20050125

Abstract (en)

Disclosed herein is a blowing device for small-sized electronic appliances such as cleaning apparatuses. The blowing device comprises a housing (50), a centrifugal impeller (60), a guide vane (70), and a motor for rotating the centrifugal impeller (60). The centrifugal impeller (60) comprises a shroud (62), a hub (64), and a plurality of impeller blades (66) which have an average diameter 87~93 % of a diameter of the housing. The shroud (62) and the hub (64) of the centrifugal impeller (60), and the guide vane (70) are optimally designed with respect to a size of the housing (50) or an average diameter of the impeller blades (66), maximizing fan efficiency and heat dissipation of the motor.

IPC 8 full level
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