

Title (en)
Hair dryer

Title (de)
Haartrockner

Title (fr)
Sèche-cheveux

Publication
EP 1704792 B1 20080827 (EN)

Application
EP 06006042 A 20060323

Priority
JP 2005087419 A 20050325

Abstract (en)
[origin: EP1704792A1] A hair dryer (1) comprises a housing (2) having a substantially cylindrical air tunnel (3), a fan (6) provided in the air tunnel (3), a motor (7) for revolving the fan (6), and a heater (5). The fan (6) is a centrifugal fan having a revolution shaft (61), a circular disc (62) perpendicular to the revolution shaft (61), and a plurality of impeller blades (63) each provided substantially perpendicular to the circular disc (62) but curved with respect to a radial line passing the center axis of the revolution shaft (61). The outer diameter D1 of the fan (6) and the inner diameter D2 of the outlet (9) of airflow of the air tunnel (3) are selected so that the value D1/D2 in the region equal to or larger than 1.0 and equal to or smaller than 1.45, (1.0 ≤ D1/D2 ≤ 1.45). Thereby, the hair dryer (1) can generate strong airflow with a constant volume without increasing rotation number of the motor (7) and without enlarging the outer diameter of the fan (6) by reducing the pressure loss due to the air tunnel.

IPC 8 full level
A45D 20/12 (2006.01)

CPC (source: EP KR US)
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