

Title (en)
Household clothes drying machine with compact motor

Title (de)
Haushaltswäschetrockner mit Kompaktmotor

Title (fr)
Sèche-linge domestique avec moteur compact

Publication
EP 1860229 B1 20110119 (EN)

Application
EP 06114546 A 20060525

Priority
EP 06114546 A 20060525

Abstract (en)
[origin: EP1860229A1] Condenser-type clothes drying machine comprising: a rotating drum (1), a first duct (2) adapted to circulate, with the help of a first fan (4), a first flow of heated-up air through the drum (1) and an appropriately provided condenser (3), a second duct (5) adapted to circulate, with the help of a second fan (6), a second flow of cooling air through the condenser (3), wherein the first and second fans and the rotating drum are rotatably driven by two coaxially arranged electric motors (7,8); the first electric motor (7) rotatably drives a respective first shaft (9) that is provided with two opposite end portions carrying two separate motion-transmission means, such as two pulleys (12,13) and respective belts. The second electric motor (8) is arranged between said first electric motor (7) and an end portion of said first shaft (9), and is provided with a respective second shaft (14) in the form of a cylindrical hollow sleeve, inside which said first shaft (9) is housed, and to which there is press-fitted or shrink-fitted a third pulley (15). The two motors (7,8) are housed within a single and same housing (20), and said two electric motors are independently controllable permanent-magnet motors.

IPC 8 full level
D06F 58/08 (2006.01)

CPC (source: EP US)
D06F 58/08 (2013.01 - EP US)

Cited by
EP3836371A1; CH701466A3; DE102009002212A1; DE102011078917A1; WO2015003741A1; EP3474429A1; EP3664265A1; CN111270496A; EP3800769A1; US11165321B2; US10351989B2; US11365509B2; US11807980B2

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