

Title (en)

Household clothes drying machine with improved fan arrangement

Title (de)

Wäschetrockner mit verbesserter Lüfteranordnung

Title (fr)

Machine à sécher le linge avec agencement perfectionné de ventilateur

Publication

**EP 1475474 B1 20070307 (EN)**

Application

**EP 04009650 A 20040423**

Priority

IT PN20030015 U 20030509

Abstract (en)

[origin: EP1475474A1] Clothes drying machine comprising a drum (1) for holding the clothes to be dried, a first fan (5) adapted to blow a first flow of drying air through said drum, a condenser (3) through which said flow of drying air is caused to pass, a cooling air conduit (4) conveying a second flow of fresh air through said condenser, said second flow of air being blown by a second fan (6) associated to said cooling air conduit, a motor (7) that is adapted to selectively rotate in a main direction and in a secondary direction opposite thereto, and to jointly drive said first and said second fan (5,6). The latter comprises a plurality of first planar vanes (9) that appear like being arranged on a surface of a cylinder, radially with respect to the axis (X) of said cylinder, said axis constituting also the axis of rotation of said second fan (6), and a plurality of second vanes (10) that are inclined relative to the axis of the fan, so as to bring about a flow urging the air contained in said second fan outwards when this fan rotates according to said secondary mode. During the initial stage of the drying process, said motor rotates solely according to said secondary mode. <IMAGE>

IPC 8 full level

**D06F 58/24** (2006.01); **F04D 29/28** (2006.01)

CPC (source: EP US)

**D06F 58/24** (2013.01 - EP US); **F04D 29/283** (2013.01 - EP)

Cited by

EP1700944A1; EP1959048A1; CN103225625A; CN110965297A; CN109209993A; US2016161133A1; US10082305B2; CN110965298A; EP2980304A4; EP1666657A1; WO2008098718A1; WO2014153748A1; WO2007093274A1; US9644310B2; US8082678B2

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