

Title (en)
Energy saving household clothes drying machine

Title (de)
Energiesparsamer Haushaltwäschetrockner

Title (fr)
Sèche-linge domestique économisant l'énergie

Publication
EP 1832678 B1 20120613 (EN)

Application
EP 06110696 A 20060306

Priority
EP 06110696 A 20060306

Abstract (en)
[origin: EP1832678A1] A household clothes drying machine comprises a drum (1), a delivery conduit (2) that conveys the drying air into said drum (1), and an outlet conduit (4) that removes the drying air from the interior of said drum (1). On the rear region of the drum (1) where a side of an elevator (30) is joined there is a proper opening (31), so that a portion of the drying air can flow from the outer region of the drum (1), and thorough said opening (31), from a lateral side of the elevator (30) into it. With respect of said opening (31), on the other side the elevator (30) is open into the inner volume of the drum, so the air crossing said elevator flows into the drum, where it mixes with the drying air therein blown in a conventional way. The air deviated into the lifter is taken from an outer cylindrical element (20) formed on one side by the rear circular base (21) of the drum, on the opposite side by an annular region of the inner surface of the back wall (22) of the drying machine, and laterally by a cylindrical strip (23) joining said circular base (21) with said inner surface of the back wall (22).

IPC 8 full level
D06F 58/02 (2006.01); **D06F 58/04** (2006.01)

CPC (source: EP US)
D06F 58/04 (2013.01 - EP US); **D06F 58/02** (2013.01 - EP US)

Cited by
EP2808437A1; US2022341084A1; US9677216B2; US11008691B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1832678 A1 20070912; EP 1832678 B1 20120613

DOCDB simple family (application)
EP 06110696 A 20060306