

Title (en)
UMBRELLA-LIKE LAUNDRY DRYER

Title (de)
SCHIRMARTIGER WÄSCHETROCKNER

Title (fr)
SÉCHOIR À LINGE DE TYPE PARAPLUIE

Publication
EP 1658400 B1 20100929 (DE)

Application
EP 04764492 A 20040826

Priority
• EP 2004009516 W 20040826
• AT 13662003 A 20030829

Abstract (en)
[origin: WO2005024114A1] The invention relates to an umbrella-like laundry dryer comprising a central vertical tube (1) that supports a spreading frame (2), which can be swung upon by a hoisting line (10) and which is provided for the clothes line. The spreading frame (2) comprises an upper sleeve (4), which encircles the vertical tube (1) and to which supporting arms (3) arranged in the shape of a star are coupled. These supporting arms (3), via their lower ends, are connected in an articulated manner to bearing arms (5), which are likewise arranged in the shape of a star and which are provided for the clothes line. The bearing arms (5) are, via their lower ends, coupled to a lower sleeve (6), which encircles the vertical tube (1) and which can be slid along the vertical tube (1). The hoisting line (10) acts upon the lower sleeve (6). The lower sleeve (6) can be fixed by a releasable fixing device (7) in different positions on the vertical tube (1). The lower sleeve (6) is additionally equipped with a force transmitting assembly (9), which can be actuated by a tensioning line and which produces an upwardly directed movement step of the lower sleeve (6). The force transmitting assembly (9) contains a force multiplying and force transmitting element (17), which is coupled to the tensioning line and produces an upwardly directed movement step of the lower sleeve (6) when the tensioning line is actuated. The hoisting line (10) can be provided in the form of a tensioning line for actuating the force transmitting assembly (9).

IPC 8 full level
D06F 57/04 (2006.01)

CPC (source: EP US)
D06F 57/04 (2013.01 - EP US)

Cited by
EP2851463A1

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

DOCDB simple family (publication)
WO 2005024114 A1 20050317; AT 413987 B 20060815; AT A13662003 A 20051115; AT E483053 T1 20101015;
DE 502004011708 D1 20101111; EP 1658400 A1 20060524; EP 1658400 B1 20100929; US 2006180687 A1 20060817;
US 7127829 B2 20061031

DOCDB simple family (application)
EP 2004009516 W 20040826; AT 04764492 T 20040826; AT 13662003 A 20030829; DE 502004011708 T 20040826; EP 04764492 A 20040826;
US 36442406 A 20060228