

Title (en)  
ROTARY-DRUM LAUNDRY DRYER

Title (de)  
Waschmaschine mit Drehtrommel

Title (fr)  
Sèche-linge à tambour rotatif

Publication  
**EP 2865803 A1 20150429 (EN)**

Application  
**EP 14195015 A 20120227**

Previously filed application  
12157178 20120227 EP

Priority  
• EP 14195015 A 20120227  
• EP 12157178 A 20120227

Abstract (en)  
Rotary-drum laundry dryer (1) comprising an outer casing (2) having a front wall (2a) and a rear wall (2b), a rotatable drum (3) which is structured for housing the laundry to be dried and is fixed in axially rotating manner inside the casing (2), and a hot-air generator (6) structured to circulate a stream of hot air through the rotatable drum (3); the rotatable drum (3) comprising a substantially cylindrical, tubular body (3) having a back wall (9) rigidly connected thereto, the tubular body (3) being arranged so that a front rim (3f) thereof is coupled in axially rotating manner to a front bulkhead (13) and so that the back wall (9) is coupled in substantially airtight and axially rotating manner to the rear wall (2b) of the casing (2) with the interposition of a rear sealing gasket (12); the rear wall (2b) of the outer casing (2) comprising: a substantially vertically-oriented supporting bulkhead (14) having a central portion (15) which is substantially aligned/faced to a permeable-to-air inner portion (9c) of the back wall (9) of the rotatable drum (3); and a gasket-supporting member (16) which is fixed/attached to the inner face of the supporting bulkhead (14) so to be interposed between the central portion (15) of said supporting bulkhead (14) and the back wall (9) of the tubular body (3), and which has a central passthrough opening (16a) substantially aligned/faced to the permeable-to-air inner portion (9c) of said back wall (9) and fluidly connected to the hot-air generator (6); the rotary-drum laundry dryer (1) being characterized in that said supporting bulkhead (14) is fluidly connected to the hot-air generator (6) and said gasket-supporting member (16) is provided with an annular groove (16b) which is faced to the back wall (9) of the tubular body (3), encircles the central pass-through opening (16a) of the gasket-supporting member (16) and is shaped/ dimensioned so to house the rear sealing gasket (12) and keep said rear sealing gasket (12) in abutment against the back wall (9) of the tubular body (3), and in that the tubular body (3) comprises a substantially cylindrical lateral wall (8) which is structured for resting on a number of idle supporting rollers (10) which are arranged approximately at the two axial ends of the tubular body (3) so as to allow the tubular body (3) to rotate about its longitudinal reference axis (L) inside the casing (2).

IPC 8 full level  
**D06F 58/04** (2006.01); **D06F 58/20** (2006.01)

CPC (source: CN EP US)  
**D06F 58/04** (2013.01 - CN EP US); **D06F 58/20** (2013.01 - CN EP US)

Citation (search report)  
• [A] DE 19907602 A1 20000824 - MIELE & CIE [DE]  
• [A] GB 2111142 A 19830629 - BAUKNECHT GMBH G

Cited by  
WO2022191582A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2631354 A1 20130828; EP 2631354 B1 20150107**; AU 2013225126 A1 20140814; AU 2013225126 B2 20170601;  
CN 104136679 A 20141105; CN 104136679 B 20170322; EP 2865803 A1 20150429; EP 2865803 B1 20160803; WO 2013127767 A2 20130906;  
WO 2013127767 A3 20131205

DOCDB simple family (application)  
**EP 12157178 A 20120227**; AU 2013225126 A 20130226; CN 201380010916 A 20130226; EP 14195015 A 20120227;  
EP 2013053777 W 20130226