

Title (en)
Laundry washing machine and bellow for a laundry washing machine

Title (de)
Waschmaschine und Balg für eine Waschmaschine

Title (fr)
Machine à laver de blanchisserie et soufflet destiné à un lave-linge

Publication
EP 2843098 B1 20171011 (EN)

Application
EP 13182324 A 20130830

Priority
EP 13182324 A 20130830

Abstract (en)
[origin: EP2843098A1] A laundry washing machine (1) comprising: a casing (10); a tub (11) suspended in the casing (10); an elastically deformable bellow (20), having a ring shaped main portion (21) sealingly connected to the casing (10) and to the tub (10), at an opening (12) thereof, and a projection portion (30), made in one piece with the main portion (21) and radially extending from the main portion (21) to a distal end (31); a detergent tank (17) adapted to receive detergents to be mixed to water before being supplied to the tub (11); a tank duct (18) connected upstream to the detergent tank (17) and having a downstream end (19); a bellow duct (32) formed within the projection portion (30) of the bellow (20), from an inlet mouth (33), formed at the distal end (31) of the projection portion (30) and connected to the downstream end (19) of the tank duct (17), to an outlet mouth (34), formed in the main portion (21) of the bellow (20), at the projection portion (30), and open into the tub (11). The tank duct (18) comprises at least two separate and parallel tank sub-ducts (41, 42), suitable for receiving different detergent mixtures from different areas in the detergent tank (17); and the bellow duct (32) comprises at least two separate and parallel bellow sub-ducts (51, 52, 58, 59), suitable for receiving different detergent mixtures from different sub-ducts (41, 42) of the tank duct (18). Thus, different detergent mixtures are collected and supplied in different sub-ducts, first in the tank duct (18), then in the bellow duct (32).

IPC 8 full level
D06F 37/26 (2006.01); **D06F 39/02** (2006.01)

CPC (source: EP US)
D06F 37/266 (2013.01 - EP US); **D06F 39/02** (2013.01 - EP US)

Cited by
CN109082827A; US11686035B2; US11339520B2; US11814774B2

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 2843098 A1 20150304; **EP 2843098 B1 20171011**; AU 2014314510 A1 20160310; CN 105492674 A 20160413; CN 105492674 B 20170901; PL 2843098 T3 20180330; WO 2015028238 A1 20150305

DOCDB simple family (application)
EP 13182324 A 20130830; AU 2014314510 A 20140730; CN 201480047619 A 20140730; EP 2014066397 W 20140730; PL 13182324 T 20130830