

Title (en)
METHOD FOR BALANCING THE LOAD IN A WASHING MACHINE OR TUMBLE DRYER, AND WASHING MACHINE OR TUMBLE DRYER

Title (de)
VERFAHREN ZUM LASTAUSGLEICH IN EINER WASCHMASCHINE ODER EINEM WÄSCHETROCKNER UND WASCHMASCHINE ODER WÄSCHETROCKNER

Title (fr)
PROCÉDÉ D'ÉQUILIBRAGE DE LA CHARGE DANS UNE MACHINE À LAVER OU UN SÈCHE-LINGE, ET MACHINE À LAVER OU SÈCHE-LINGE

Publication
EP 4317571 A1 20240207 (EN)

Application
EP 23185225 A 20230713

Priority
IT 202200016326 A 20220801

Abstract (en)
A method for balancing the load of laundry in a laundry drum (5) in a washing machine (1) or tumble dryer, comprises- carrying out, before performing a spin step (27) in a laundry treatment program, a laundry load balancing check step (29), and:- in the case of a balanced load, performing the spin step (27),- in the case of an unbalanced load, not enabling the spin step (27) and performing a balancing step (29) of the load of laundry, through a sequence of movements of the laundry drum (5) at lower speeds than the rotation speed of the laundry drum (5) during the spin step (27) and, after the balancing step (29), repeating the balancing check step (28) of the load of laundry until the load of laundry resulted to be balanced from the balancing check step (29),- varying the balancing parameters (rebal_XXX) of a next balancing step (29_n+1) with respect to the balancing parameters (rebal_XXX) of a previous balancing step (29_n) within the same laundry treatment program.

IPC 8 full level
D06F 33/48 (2020.01); **D06F 33/40** (2020.01); **D06F 34/16** (2020.01); **D06F 58/36** (2020.01); **D06F 103/24** (2020.01); **D06F 103/26** (2020.01); **D06F 103/38** (2020.01); **D06F 105/52** (2020.01)

CPC (source: CN EP)
D06F 33/48 (2020.02 - CN EP); **D06F 33/76** (2020.02 - CN); **D06F 58/52** (2020.02 - CN); **D06F 33/40** (2020.02 - EP); **D06F 34/16** (2020.02 - EP); **D06F 58/36** (2020.02 - EP); **D06F 2103/24** (2020.02 - CN EP); **D06F 2103/26** (2020.02 - CN EP); **D06F 2103/38** (2020.02 - EP); **D06F 2103/46** (2020.02 - CN); **D06F 2105/48** (2020.02 - CN); **D06F 2105/52** (2020.02 - EP)

Citation (applicant)
EP 0732437 A1 19960918 - MERLONI ELETTRODOMESTICI SPA [IT]

Citation (search report)
• [X] EP 2478142 A2 20120725 - LG ELECTRONICS INC [KR]
• [X] EP 1297209 A1 20030402 - SKF AUTOBALANCE SYSTEMS AB [SE]
• [A] EP 1461487 A1 20040929 - ARCELIK AS [TR]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4317571 A1 20240207; CN 117488510 A 20240202

DOCDB simple family (application)
EP 23185225 A 20230713; CN 202310953496 A 20230731