

Title (en)

Washing machine with improved sensor for load weight

Title (de)

Waschmaschine mit verbessertem Sensor für das Beladungsgewicht

Title (fr)

Machine à laver à capteur amélioré pour le poids de la charge

Publication

EP 1988206 A1 20081105 (EN)

Application

EP 07107413 A 20070503

Priority

EP 07107413 A 20070503

Abstract (en)

Washing machine comprising an outer casing housing (1) an oscillating washing assembly (2) suspended elastically to said casing through at least a spring (3,4), at least a vibration-damping strut (5,50) placed between an outer portion of said washing assembly and a respective anchoring point which is connected, even elastically, to said casing, measurement means (12) able of measuring the excursion of the washing assembly, and able of generating and transferring a signal representative of the vertical excursion of the washing assembly; said casing is provided, preferably on the lower part if it, with elastic means (7,8,77,88,52) able of assuming a predetermined resting position, and said excursion measurement means are applied between a definite point (13) firmly connected to said casing, and a predefined position of said elastic means. An end part of said damping strut is engaged to a lower portion (6) of said washing assembly, while the opposite end part of the same damping strut is engaged to an anchoring point (5A,55) placed on said elastic means. In a preferred embodiment said elastic means comprise two springs, preferably spirally shaped, which are independent, aligned, vertically oriented, connected to each other between the two respectively facing sides (7B,8B); the opposed extremes of said two springs are solidly connected to respective distinct portions of said casing.

IPC 8 full level

D06F 37/20 (2006.01); **D06F 34/18** (2020.01)

CPC (source: EP US)

D06F 34/18 (2020.02 - EP US); **D06F 37/20** (2013.01 - EP US); **D06F 2103/04** (2020.02 - EP US)

Citation (search report)

- [DX] EP 1264925 A2 20021211 - ELECTROLUX HOME PROD CORP [BE]
- [A] EP 1258556 A1 20021120 - MIELE & CIE [DE]
- [A] DE 29812393 U1 19991118 - AEG HAUSGERÄTE GMBH [DE]

Cited by

JP2014068792A; CN107503742A; EP2322705A1; CN102191656A; EP2363525A3; CN112796076A; US8776552B2

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1988206 A1 20081105; EP 1988206 B1 20110302; AT E500374 T1 20110315; DE 602007012838 D1 20110414; ES 2358541 T3 20110511; PL 1988206 T3 20110831; RU 2008117471 A 20091110; RU 2453642 C2 20120620

DOCDB simple family (application)

EP 07107413 A 20070503; AT 07107413 T 20070503; DE 602007012838 T 20070503; ES 07107413 T 20070503; PL 07107413 T 20070503; RU 2008117471 A 20080430