

Title (en)
SUSPENSION SPRING MOUNTING STRUCTURE AND WASHING MACHINE

Title (de)
AUFHÄNGUNGSFEDER-MONTAGESTRUKTUR UND WASCHMASCHINE

Title (fr)
STRUCTURE DE MONTAGE DE RESSORT DE SUSPENSION ET LAVE-LINGE

Publication
EP 3789527 A1 20210310 (EN)

Application
EP 20193312 A 20200828

Priority
CN 201921464406 U 20190904

Abstract (en)
This application relates to the technical field of washing machine accessories, and in particular, to a suspension spring mounting structure and a washing machine. The suspension spring mounting structure includes a suspension spring gasket (1) and a suspension spring bracket (2), and the suspension spring gasket (1) includes an abutting portion (11) and an anti-tilting portion (12); the suspension spring bracket (2) is configured to mount the suspension spring gasket (1) and includes a mating portion (21) and a butting portion (22); one of the abutting portion (11) and the mating portion (21) is an arc-shaped protrusion, and the other is an arc-shaped recess; when the suspension spring gasket (1) is mounted on the suspension spring bracket (2), the arc-shaped protrusion abuts against the arc-shaped recess, and the anti-tilting portion (12) abuts against the butting portion (22) to act together to fix the suspension spring gasket (1) to the suspension spring bracket (2). The washing machine includes the suspension spring mounting structure. Compared with the suspension spring gasket in the prior art, the suspension spring mounting structure and the washing machine according to this application can avoid stress concentration and achieve high mounting stability.

IPC 8 full level
D06F 37/22 (2006.01); **D06F 39/12** (2006.01)

CPC (source: EP)
D06F 37/22 (2013.01); **D06F 39/12** (2013.01)

Citation (search report)

- [XYA] WO 2017153279 A1 20170914 - ARCELIK AS [TR]
- [XA] CN 201793945 U 20110413 - HAIER GROUP CO LTD, et al
- [Y] JP 2016120196 A 20160707 - SAMSUNG ELECTRONICS CO LTD
- [Y] DE 1760826 A1 19711230 - CANDY SPA
- [Y] DE 10256465 A1 20040715 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- [A] CN 204138933 U 20150204 - QINGDAO HAIER WASHING MACH CO
- [A] DE 1971031 U 19671026 - MIELE & CIE [DE]
- [A] WO 2006016286 A1 20060216 - ARCELIK AS [TR], et al
- [A] EP 1752577 A1 20070214 - MIELE & CIE [DE]

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3789527 A1 20210310; CN 211227743 U 20200811

DOCDB simple family (application)
EP 20193312 A 20200828; CN 201921464406 U 20190904