

Title (en)  
CLOTHING TREATMENT DEVICE

Title (de)  
KLEIDUNGSBEHANDLUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE TRAITEMENT DE VÊTEMENTS

Publication  
**EP 4155447 A4 20240508 (EN)**

Application  
**EP 21808594 A 20210517**

Priority  
• KR 20200059024 A 20200518  
• KR 2021006155 W 20210517

Abstract (en)  
[origin: EP4155447A1] Disclosed is a laundry treating apparatus. The laundry treating apparatus includes: a housing; a tub disposed inside the housing and having an extended cylindrical shape; a drum rotatably disposed on the tub; a driving part disposed below the tub and connected to the drum; a first bracket extending from the housing toward the tub, having a first through hole opened up and down, and having a cutout connected to the first through hole in an outer circumferential wall; a second bracket extending from the tub toward the housing, spaced apart from a lower side of the first bracket, and having a second through-hole opened up and down; and a suspension extending between the first bracket and the second bracket and connected to the first bracket and the second bracket. The suspension includes: an upper block disposed in an upper portion of the first bracket; a lower block disposed below the second bracket; a connecting bar passing through the upper block and the lower block, extending in a longitudinal direction of the tub, and having a diameter smaller than a width of the cutout; a spring extending along an up-down direction, disposed below the upper block, and surrounding the connecting bar; and a middle block disposed between the upper block and the spring to be movable downward with respect to the upper block, and having the connecting passing therethrough.

IPC 8 full level  
**D06F 37/24** (2006.01); **D06F 29/00** (2006.01); **D06F 37/26** (2006.01)

CPC (source: EP KR US)  
**D06F 23/04** (2013.01 - US); **D06F 37/14** (2013.01 - KR); **D06F 37/24** (2013.01 - EP KR US); **D06F 37/268** (2013.01 - US);  
**D06F 37/40** (2013.01 - KR); **D06F 37/42** (2013.01 - KR); **D06F 39/12** (2013.01 - US); **D06F 29/00** (2013.01 - EP); **D06F 37/268** (2013.01 - EP)

Citation (search report)  
• [I] EP 3556925 A1 20191023 - LG ELECTRONICS INC [KR]  
• [A] EP 3112518 A1 20170104 - LG ELECTRONICS INC [KR]  
• [A] KR 20140038250 A 20140328 - LG ELECTRONICS INC [KR]  
• [A] US 6397643 B1 20020604 - CHANG JAE WON [KR], et al  
• See also references of WO 2021235801A1

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 4155447 A1 20230329**; **EP 4155447 A4 20240508**; KR 20230014722 A 20230130; US 2023183909 A1 20230615;  
WO 2021235801 A1 20211125

DOCDB simple family (application)  
**EP 21808594 A 20210517**; KR 2021006155 W 20210517; KR 20227044258 A 20210517; US 202117925926 A 20210517