

Title (en)
LAUNDRY TREATING APPARATUS

Title (de)
WÄSCHEBEHANDLUNGSVORRICHTUNG

Title (fr)
APPAREIL DE TRAITEMENT DU LINGE

Publication
EP 3690108 A1 20200805 (EN)

Application
EP 19219281 A 20191223

Priority
• KR 20190013926 A 20190201
• KR 20190130786 A 20191021

Abstract (en)
A laundry treating apparatus according to the present disclosure includes a drum (51) configured to rotate about a rotation axis extending in a front-rear direction, and a lifter (61 a, 61 b, 62 a, 62 b, 63 a, and 63 b) disposed in the drum. The lifter includes a lifter frame (620) installed on an inner circumferential surface of the drum, and a frame cover (640) coupled to the lifter frame, protruding radially inward from the inner circumferential surface of the drum, and made of metal. A water flow discharge hole (646h) formed by penetrating a part of an upper surface of the frame cover and an upper plate protrusion protruding from the upper surface (646) of the frame cover are formed in the frame cover by plastically processing the frame cover.

IPC 8 full level
D06F 37/06 (2006.01)

CPC (source: CN EP RU US)
D06F 21/02 (2013.01 - CN); **D06F 21/10** (2013.01 - CN); **D06F 23/025** (2013.01 - US); **D06F 37/06** (2013.01 - CN EP); **D06F 37/065** (2013.01 - US); **D06F 39/00** (2013.01 - RU); **D06F 37/065** (2013.01 - EP)

Citation (applicant)
• KR 20190013926 A 20190211 - UNIV PITTSBURGH COMMONWEALTH SYS HIGHER EDUCATION [US], et al
• KR 20190130786 A 20191125 - KIM EUN SHIL [KR], et al
• KR 20180072336 A 20180629 - LG ELECTRONICS INC [KR]
• KR 20170082055 A 20170713 - LG ELECTRONICS INC [KR]
• KR 20070048913 A 20070510 - SAMSUNG ELECTRONICS CO LTD [KR]
• KR 200358903 Y1 20040812
• JP 2004057657 A 20040226 - SANYO ELECTRIC CO

Citation (search report)
• [Y] EP 1306479 A2 20030502 - LG ELECTRONICS INC [KR]
• [YD] KR 20170082055 A 20170713 - LG ELECTRONICS INC [KR]
• [A] WO 2008140169 A1 20081120 - DAEWOO ELECTRONICS CORP [KR], et al
• [A] KR 20140084951 A 20140707 - DONGBU DAEWOO ELECTRONICS CORP [KR]

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 3690108 A1 20200805; **EP 3690108 B1 20210512**; AU 2020200653 A1 20200820; AU 2020200653 B2 20211007; CN 111519379 A 20200811; CN 111519379 B 20221028

DOCDB simple family (application)
EP 19219281 A 20191223; AU 2020200653 A 20200130; CN 201911353149 A 20191225