

Title (en)
LAUNDRY TREATING APPARATUS COMPRISING A DOOR

Title (de)
WÄSCHEBEHANDLUNGSVORRICHTUNG MIT EINER TÜR

Title (fr)
APPAREIL DE TRAITEMENT DU LINGE AVEC UNE PORTE

Publication
EP 3690122 B1 20220302 (EN)

Application
EP 20152156 A 20200116

Priority
• KR 20190014064 A 20190201
• KR 20190058238 A 20190517
• KR 20190127328 A 20191014

Abstract (en)
[origin: EP3690122A1] The present disclosure relates to a laundry treating apparatus, including a main body (10) having a front panel (101) disposed with a laundry inlet port (102), and a laundry accommodating portion that accommodates laundry loaded through the laundry inlet port; and a door (12) rotatably provided on the front panel (101) to open and close the laundry inlet port, wherein the door includes an outer frame (14) provided with an opening portion (18), and disposed toward an outer side of the main body; a transparent front panel (20) attached to a front surface of the outer frame (14) to cover the opening portion (18); and an inner frame (19) coupled to a rear surface of the outer frame (14), and disposed toward an inner side of the main body, and the outer frame (14) includes an adhesive filling portion (43) provided on a front surface of the outer frame (14) to fill an adhesive for bonding the transparent front panel (20); a reinforcing portion (40, 41, 42) provided on a rear surface of the outer frame (14), and disposed to correspond to the adhesive filling portion (43) to reinforce the rigidity of the outer frame (14); a first hook (37) protruding from an outer circumference of the outer frame (14) toward an outer circumference of the inner frame (19) may be provided; along with a second hook (36) protruding from an outer circumference of the inner frame (19) toward the outer frame (14) to fasten the outer frame (14) and the inner frame (19) to each other by an interference fit, thereby enhancing a fastening force between the outer frame (14) and the inner frame (19).

IPC 8 full level
D06F 39/14 (2006.01)

CPC (source: CN EP KR RU US)
D06F 25/00 (2013.01 - CN); **D06F 37/10** (2013.01 - KR RU); **D06F 37/28** (2013.01 - KR); **D06F 39/12** (2013.01 - CN); **D06F 39/14** (2013.01 - CN EP KR RU US); **D06F 58/04** (2013.01 - CN); **D06F 58/20** (2013.01 - CN); **E05B 1/00** (2013.01 - CN); **E05B 65/006** (2013.01 - US); **D06F 23/02** (2013.01 - US); **D06F 23/025** (2013.01 - US); **D06F 25/00** (2013.01 - EP); **D06F 2105/44** (2020.02 - KR); **E05Y 2900/312** (2013.01 - KR US)

Cited by
EP4283036A1

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 3690122 A1 20200805; EP 3690122 B1 20220302; JP 2020124488 A 20200820; JP 2020124489 A 20200820; JP 2020124490 A 20200820; JP 2020124491 A 20200820; JP 6894990 B2 20210630; JP 6906074 B2 20210721; JP 6978526 B2 20211208; JP 7033154 B2 20220309; KR 102333382 B1 20211203; KR 102333383 B1 20211203; KR 102346444 B1 20220105; KR 102346449 B1 20220103; KR 102376059 B1 20220321; KR 102450183 B1 20221006; KR 20200096040 A 20200811; KR 20200096075 A 20200811; KR 20200096076 A 20200811; KR 20200096077 A 20200811; KR 20200096078 A 20200811; KR 20200096160 A 20200811; KR 20200096161 A 20200811; KR 20220004610 A 20220111; RU 2723054 C1 20200608; RU 2726684 C1 20200715; RU 2726686 C1 20200715; RU 2734357 C1 20201015

DOCDB simple family (application)
EP 20152156 A 20200116; JP 2020013079 A 20200130; JP 2020013080 A 20200130; JP 2020013134 A 20200130; JP 2020013137 A 20200130; KR 20190058238 A 20190517; KR 20190127328 A 20191014; KR 20190127330 A 20191014; KR 20190127998 A 20191015; KR 20190128703 A 20191016; KR 20200011872 A 20200131; KR 20200011873 A 20200131; KR 20210190172 A 20211228; RU 2020103239 A 20200127; RU 2020103240 A 20200127; RU 2020103246 A 20200127; RU 2020103247 A 20200127