

Title (en)
Refrigerator and manufacturing method thereof

Title (de)
Kühlschrank und Herstellungsverfahren dafür

Title (fr)
Réfrigérateur et son procédé de fabrication

Publication
EP 2891854 A1 20150708 (EN)

Application
EP 15150179 A 20150106

Priority
KR 20140001655 A 20140107

Abstract (en)
A door of a refrigerator includes a front plate formed of a metallic material, a display unit having a display part disposed at a rear surface of the front plate to brighten and darken and thus to display operation information of the refrigerator, and a plurality of through-holes formed in an area of the front plate corresponding to the display part. The display unit is hidden in the door, but a user may see the information displayed on the display unit through the through-holes of the front plate.

IPC 8 full level
F25D 23/02 (2006.01); **F25D 23/06** (2006.01)

CPC (source: EP US)
F25D 23/028 (2013.01 - EP US); **F25D 23/064** (2013.01 - EP US); **F25D 29/005** (2013.01 - EP US); **F25D 2400/36** (2013.01 - EP US); **F25D 2500/02** (2013.01 - EP US); **Y10T 29/49359** (2015.01 - EP US)

Citation (search report)

- [X] JP 2010230226 A 20101014 - HAIER SANYO ELECTRIC CO LTD
- [X] KR 100946173 B1 20100308 - N HI TECH CO LTD [KR]
- [X] US 2013327075 A1 20131212 - KIM PANSOO [KR]
- [X] US 2013285528 A1 20131031 - PARK YOUNG GWI [KR], et al

Citation (third parties)
Third party : **anonymous**

- EP 2789943 A2 20141015 - SAMSUNG ELECTRONICS CO LTD [KR]
- KR 20110101439 A 20110916 - LG ELECTRONICS INC [KR]
- US 8303151 B2 20121106 - PANCE ALEKSANDAR [US], et al
- US 8523304 B2 20130903 - KIM PANSOO [KR]
- KR 20060083032 A 20060720 - KIM JI WOONG [KR], et al
- EP 1249873 B1 20180530 - TOYODA GOSEI KK [JP]

Cited by
CN112781319A; EP3919846A1; AU2021203621B2; EP3460367A4; US11460239B2

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 2891854 A1 20150708; KR 20150081800 A 20150715; US 2015192352 A1 20150709

DOCDB simple family (application)
EP 15150179 A 20150106; KR 20140001655 A 20140107; US 201514591394 A 20150107