

Title (en)
REFRIGERATOR

Title (de)
KÜHLSCHRANK

Title (fr)
RÉFRIGÉRATEUR

Publication
EP 3992557 A1 20220504 (EN)

Application
EP 21204748 A 20211026

Priority
KR 20200142132 A 20201029

Abstract (en)
Refrigerator including a water tank (30) mounted to a door (1) and a detection device (50) configured to detect the correct mounting of the water tank (30). The detection device (50) is mounted to the door (1) and is rotated or moved rectilinearly by interfering with the surface of the water tank (30) in a process in which the water tank (30) is mounted to the door (1). When the mounting of the water tank (30) is completed, the detection device (50) is restored to an initial position by the elastic force of the elastic member (80). Accordingly, a user may easily perceive whether the water tank (30) is completely mounted to the refrigerator through a fastening sound or a fastening feel generated in the process in which the detection device (50) is restored after being pressed by the water tank.

IPC 8 full level
F25D 23/02 (2006.01); **F25D 23/12** (2006.01)

CPC (source: EP KR)
F25D 23/028 (2013.01 - EP KR); **F25D 23/126** (2013.01 - EP); **F25D 29/005** (2013.01 - KR); **F25C 2400/14** (2013.01 - EP); **F25C 2500/06** (2013.01 - EP); **F25D 2323/122** (2013.01 - EP KR); **F25D 2331/806** (2013.01 - KR); **F25D 2700/00** (2013.01 - KR)

Citation (applicant)
• KR 20200142132 A 20201222 - DNB SOFT CO LTD [KR]
• KR 20180080056 A 20180711 - SAMSUNG ELECTRONICS CO LTD [KR]
• KR 20180126835 A 20181128 - SAMSUNG ELECTRONICS CO LTD [KR]

Citation (search report)
• [X] EP 2645029 A2 20131002 - INDESIT CO SPA [IT]
• [X] WO 2011159116 A2 20111222 - LG ELECTRONICS INC [KR], et al
• [X] CN 107036380 A 20170811 - HISense RONSHEN (GUANGDONG) REFRIGERATORS CO LTD
• [X] JP 2000220928 A 20000808 - SANYO ELECTRIC CO
• [A] WO 2018003170 A1 20180104 - SHARP KK [JP]

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

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