

Title (en)
AUTOMATIC WATER SUPPLY APPARATUS AND REFRIGERATOR HAVING SAME

Title (de)
AUTOMATISCHE WASSERVERSORGUNGSVORRICHTUNG UND KÜHLSCHRANK DAMIT

Title (fr)
APPAREIL D'ALIMENTATION EN EAU AUTOMATIQUE ET RÉFRIGÉRATEUR LE COMPRENANT

Publication
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Application
EP 20925475 A 20200916

Priority

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Abstract (en)
[origin: EP4123249A1] The present invention discloses an automatic water supply device and a refrigerator having the same. The automatic water supply device comprises a water vessel(100), a bracket(200) for placing the water vessel(100), detection means(300), and a water supply mechanism(400) for supplying water to the water vessel(100), the water vessel(100) comprising a water filling port(110); the detection means(300) comprises a switch movably connected to the bracket(200) and a sensing unit(320) fitted with the switch; the water supply mechanism(400) comprises a water supply pipe(410) and a water valve provided on the water supply pipe(410), and an outlet(110) of the water supply pipe(410) corresponds to the water filling port(110) of the water vessel(100); the automatic water supply device further comprises a controller, the sensing unit(320) switches between an ON state and an OFF state based on the movement of the switch, and the water vessel(100) is placed on the bracket(200) to touch the switch, thereby driving the sensing unit(320) to be in the ON state; the sensing unit(320) outputs a detection signal characterizing the liquid level in the water vessel(100) in the ON state, the controller controlling the water valve to open or close according to the detection signal.

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Citation (search report)

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- [I] CN 105806025 A 20160727 - QINGDAO HAIER CO LTD
- [A] WO 2018121569 A1 20180705 - QINGDAO HAIER JOINT STOCK CO LTD [CN]
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- [A] EP 1645825 A1 20060412 - WHIRLPOOL CO [US]
- See references of WO 2021184709A1

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