

Title (en)

AUTOMATIC WATER SUPPLY DEVICE, REFRIGERATOR HAVING SAME AND AUTOMATIC WATER SUPPLY METHOD

Title (de)

AUTOMATISCHE WASSERVERSORGUNGSVORRICHTUNG, KÜHLSCHRANK DAMIT UND AUTOMATISCHES WASSERVERSORGUNGSVERFAHREN

Title (fr)

DISPOSITIF D'ALIMENTATION AUTOMATIQUE EN EAU, RÉFRIGÉRATEUR PRÉSENTANT CE DERNIER ET PROCÉDÉ D'ALIMENTATION AUTOMATIQUE EN EAU

Publication

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Application

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Priority

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Abstract (en)

[origin: EP4123250A1] The present invention discloses an automatic water supply device, a refrigerator having the same and an automatic water supply method. The automatic water supply device comprises a water vessel(100), a bracket(200) for placing the water vessel(100), a 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 an inductive element(321) and a first sensor disposed on the bracket(200), the inductive element(321) is disposed in the water vessel(100) and capable of rising or falling along with the liquid level, and the first sensor(322) outputs a first detection signal upon detecting that the inductive element(321) is located at a first height; the water supply mechanism(400) comprises a water supply pipe(410) and a water valve provided on the water supply pipe(410); the automatic water supply device further comprises a controller controlling the water valve to open upon receiving the first detection signal; the detection means(300) further comprises a detection element capable of outputting a second detection signal characterizing the liquid level in the water vessel(100), and the controller controls the water valve to close upon receiving the second detection signal.

IPC 8 full level

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