

Title (en)

An automatic washing machine with multi-functional watering

Title (de)

Automatische Waschmaschine mit Multifunktionswasserzufuhr

Title (fr)

Machine à laver automatique avec arrosage multifonction

Publication

EP 2278059 B1 20140813 (EN)

Application

EP 10164558 A 20100601

Priority

CN 200920157977 U 20090605

Abstract (en)

[origin: EP2278059A1] An automatic washing machine with multi-functional watering is disclosed in the present invention. The washing machine includes an inlet valve, the inlet valve including a valve body (1), a valve seat (103), a diaphragm plate (3), a piston (5), a spring (6), an electromagnetic coil (7), the valve body involving a water supply chamber (101), a water outlet chamber (102), and a back pressure chamber (104), the valve seat (103) being located between the water supply chamber and the water outlet chamber, the back pressure chamber being set on the side of the diaphragm plate corresponding to the piston, the water supply chamber and the water outlet chamber being located on the other side of the diaphragm plate (3), a lug boss being set on the end of the piston corresponding to the back pressure chamber, a junction being set on the diaphragm plate corresponding to the lug boss, an activity space in which the lug boss axially moves being set in the junction, an opening which is jogged with the lug boss being set on the junction. At least two inlet valves are set on the washing machine, therein an inlet valve is connected with the pipe of water supply, and an inlet valve is connected with the pipe of solar water heater, hot water heater, or the other water storage devices. The automatic washing machine of the invention is suitable for different water-pressure, and has a broad market.

IPC 8 full level

D06F 39/08 (2006.01)

CPC (source: EP US)

D06F 39/088 (2013.01 - EP US)

Cited by

CN106283526A; CN112066031A; US11485647B2; WO2020234227A1

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 SE SI SK SM TR

DOCDB simple family (publication)

EP 2278059 A1 20110126; EP 2278059 B1 20140813; CN 201588103 U 20100922

DOCDB simple family (application)

EP 10164558 A 20100601; CN 200920157977 U 20090605