

ABSTRACT OF THE DISCLOSURE

A gas appliance includes a burner, a gas valve, an igniter, a thermocouple, and a control device. The control device is adapted to execute a control method comprising the following steps: controlling the igniter to ignite and controlling the gas valve to open; receiving a detected voltage output from the thermocouple; controlling the igniter to stop igniting and keeping the gas valve open when the detected voltage reaches a first voltage value; receiving the detected voltage output from the thermocouple continuously, and controlling the gas valve to close the gas pipe when the detected voltage above a second voltage falls below the second voltage. The second voltage value is higher than the first voltage value. As such, an ignition procedure may be speeded up and the supply of the fuel gas may be interrupted more quickly when the flame is extinguished.

Fig. 3