

Title (en)
SYSTEM AND METHOD FOR REMOTELY CONTROLLING A DOMESTIC APPLIANCE

Title (de)
SYSTEM UND VERFAHREN ZUR FERNSTEUERUNG EINES HAUSHALTSGERÄTS

Title (fr)
SYSTÈME ET PROCÉDÉ POUR COMMANDER À DISTANCE UN APPAREIL MÉNAGER

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Application
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Abstract (en)
[origin: EP3255621A1] The present invention provides a domestic appliance (100) responsive to remote control, and a system and method for controlling such a device remotely. The domestic appliance (100) comprises a wireless communication device and a microphone (102). The wireless communication device is configured to receive a wireless control signal (400) and the microphone (401) is configured to receive an ultrasonic or high frequency audible control signal (401). The control signals (400, 401) are for remote control of the domestic appliance (100) from a mobile device (200) running an application for domestic appliance control or home automation. The mobile device (200) comprises a wireless communication module operating on the same wireless communication protocol as the wireless communication device of the domestic appliance (100), and a loudspeaker. The wireless communication module transmits the wireless control signal (400) to the domestic appliance, and the loudspeaker transmits the ultrasonic or high frequency audible control signal (401) to be picked up by the microphone (102) of the domestic appliance. The wireless control signal (400) is subject to a propagation delay (301), such as that caused by a wireless access point (300), whereas the ultrasonic or high frequency audible control signal (401) is transmitted at the speed of sound. The ultrasonic or high frequency audible control signal (401) can therefore be used to initiate operation of the domestic appliance (100) immediately after a user enters operating instructions therefor into the mobile device (200), and any transmission errors in the ultrasonic or high frequency audible control signal (401) can be corrected once the wireless control signal (400) is received thereafter.

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