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(54) **DOMESTIC APPLIANCE DEMAND-RESPONSE POWER CONSUMPTION CONTROL SYSTEM AND METHOD**

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(57) **ABSTRACT**

A power control device for an electrically powered appliance may selectively switch off one 110 volt input (of two separate 110 volt input lines) of a 220 volt power supply to the appliance during certain periods of operation, in response to a demand-response request. This may adjust operation of one or more components of the appliance, thus adjusting an amount of power consumed by the appliance. A determination of which one, of the two, 110 volt input lines to be switched off may be made based on an analysis of the amount of power consumed by each of the two 110 volt input lines during operation of the appliance. The power control device may be provided at any point between the electrically powered appliance and a power distribution panel distributing power from an external source.