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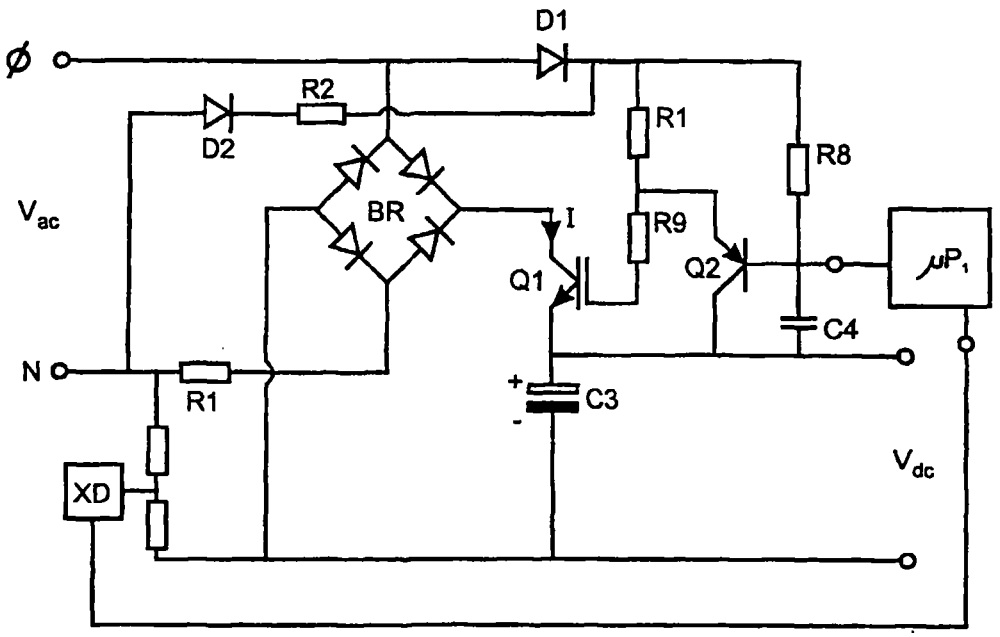
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(54) Title: APPLIANCE POWER SUPPLY



(57) Abstract: A transformerless non-switched mode power supply for use with whiteware appliances having a water heating element. A high power voltage dropping resistor is used in series with a rectifier and a switching device phase controls the mains half waves to produce a variable voltage direct current supply for an appliance motor. The voltage dropping resistor is formed by the water heater element and the DC supply voltage is controlled by the appliance controller to vary the motor torque as required.

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