



700123396

**ABSTRACT:**

The invention, Universally Compatible and Accessible, Software Controlled, Expandable Home Automation System, for Energy Conservation and the Differently-Abled is a hardware and software coupled system, that is equipped to be able to automate the process of controlling appliances remotely from anywhere on this planet. The system relates to the field of home automation. The appliances are controlled by controlling the switches that provide power to them, irrespective of their brand and type. The appliances are remotely controlled using a GUI, built as an Android application, but can also be controlled through the mechanical switches at home. The invented system also supports expansion, with an easy to use plug and play feature for dynamically adding more devices. Moreover, this invention also has a consistent and centralized database in the internet cloud to enable our system, to keep track of the current statuses of the devices. The ultimate aim of this invention is preventing lack of accessibility to switches to differently abled and also avoiding wastage due to this reason.

*Naveen Thel*

## **DRAWINGS:**

**This invention is illustrated in the accompanying drawings,**

- Drawing 1 is a schematic view, it shows the configuration of the control circuitry
- Drawing 2 is a schematic view, it shows the configuration of the two way switched circuitry
- Drawing 3 is a schematic view, it shows the configuration of the control circuitry with the reverse mapping feature incorporated