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## Accessibility Remote Control For The Visually Impaired

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## **ACCESSIBILITY REMOTE CONTROL FOR THE VISUALLY IMPAIRED**

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### ABSTRACT

A system and method are disclosed to enable the visually impaired to easily access and control a remote. The system includes a remote control device with proximity or touch detecting sensors on the keys. When a user tries to access the remote, the sensors on the keys sense the user's finger approaching a key. The system sends an announcement identifying the key which is likely to be pressed by the user. The user further proceeds to press the key if the selection is what they intended. Otherwise, the user proceeds to select another key. The system helps visually impaired users control appliances with ease.

### BACKGROUND

Currently remote controls have no standardization. As a consequence, the blind must learn to identify the significance and function of each button and its location on the remote control or smart screen (of a mobile device).

### DESCRIPTION

A system and method are disclosed to enable the visually impaired to easily access and control a remote. The system includes a remote control device for controlling other devices with an audio interface and may include proximity or touch detecting sensors on the keys. When a user tries to access the remote, the sensors on the keys sense the user's finger approaching a key. The system sends an announcement identifying the key which is likely to be pressed by the user as illustrated in FIG. 1. The user further proceeds to press the key if the selection is what they intended. Otherwise, the user proceeds to select another key.

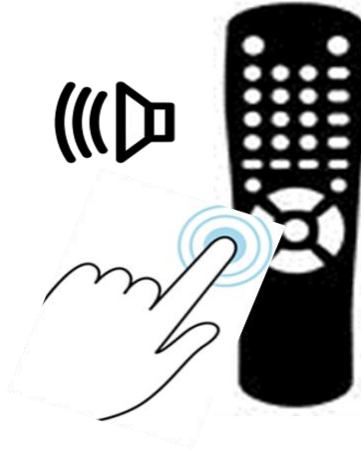


FIG. 1: Audio enabled remote for the visually impaired

The system helps visually impaired users control appliances with ease.