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VIBRATING BRACELET INTERFACE FOR BLIND PEOPLE

ABSTRACT *There are many electronic aids for blind people in both prototype and market state. Most of them use prerecorded voice commands or speech synthesizers and a headset as a user-device interface. In order not to jam acoustic signals from environment, in this paper the authors present a vibrating bracelet as a multipoint communication interface for a mobile safety system for blind people (MOBIAN). By using several vibrating motors and a vibrating signal modulation, more data, commands and alerts a blind user is able to recognize.*

Keywords: *blind people, vibrating bracelet, MOBIAN, navigation assistant device*