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(57) Abstract :

The present disclosure provides a reconfigurable audio output assembly (100) comprising a wearable housing (106) configured to accommodate one or more audio output devices. The assembly (100) also comprises one or more connectors (102) configured to engage/disengage the one or more audio output devices with one or more slots of an electronic computing device and communicatively couple a processing unit of the electronic computing device with the audio output devices. The one or more connectors are coupled to an actuator configured to receive user inputs for engaging/disengaging of the assembly. The assembly (100) further comprises a communication unit (104) including one or more transceivers, configured to transmit electric/electromagnetic signals pertaining audio signals through wired or wireless modes from the processing unit of the electronic computing device to the audio output devices. The assembly (100) enables the audio output devices to operate in wearable and non-wearable modes of configurations and facilitates one or more power sources to provide electric power to the audio output devices and the communication unit (104).

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