

HEARING AID SYSTEM BASED ON THE FUSION OF VISION AND HEARING

ABSTRACT

5 The present invention relates to the field of hearing aid technology and discloses a hearing aid system based on the fusion of vision and hearing, comprising an environment monitoring module, a multidimensional recognition module, and an intelligent generation module. Firstly, the environmental impact index is evaluated by combining noise data and electromagnetic data through the environment monitoring module. Based on the evaluation
10 results of the environmental impact index, it is determined whether the current environment will affect the speech recognition effect. In the case where the environment will affect the speech recognition effect, the overall recognition accuracy is improved by combining speech recognition and lip language recognition, providing better hearing aid services for hearing-impaired people.

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FIG. 1