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(57) Abstract :

ABSTRACT VOICE ASSESSMENT DEVICE FOR ASSESSING SPEECH ARTICULATION AND VOCAL FOLD FUNCTION The present disclosure discloses a voice assessment device (102) for assessing speech articulation and vocal fold function comprising, multi-sensor arrays (104) located on the backside of the device for capturing articulatory movements and vocal fold vibrations, an interface (106) for user setup and activation of the sensors, enabling real-time data recording during vocalization or speech production, a processing module (108) configured to extract certain features required for speech production analysis from the pre-processed data, interpret data and generate insights about voice health and performance and generate real-time visual feedback and automated reports summarizing the analysis results and providing objective assessments of voice function. FIG. 1

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