The claims:

1. A voice generation system comprising:

a housing comprising a first opening and a second opening, the housing defining an air passage between the first opening and the second opening;

a moveable member located within the housing and configured to vibrate in response to air flowing in the air passage;

a transducer module configured to convert vibrations of the moveable member into an electrical signal; and

a speaker module configured to convert the electrical signal into sound and to output sound into the oral cavity of a user;

wherein, the voice generation system is configured such that during use, the air pressure at or near the second opening corresponds to an air pressure in the oral cavity of the user.

2. The voice generation system of claim 1, wherein:

the second opening is configured to be in communication with the oral cavity of the user such that in use the air pressure at or near the second opening corresponds to an air pressure in the oral cavity of the user;

and/or

the air pressure at or near the first opening corresponds to an air pressure at the neck stoma of the user, optionally wherein the first opening is configured to be in communication with a neck stoma of the user such that the air pressure at the first opening corresponds to the air pressure at the neck stoma of the user.

3. The voice generation system of claim 1 or 2, wherein the housing is configured to connect to an airflow source, the airflow source being configured to generate an airflow and to output the airflow into the oral cavity of the user.

4. The voice generation system of claim 3, wherein the airflow source is a neck stoma of the user and the airflow is a respiratory airflow outputted from the user through the neck stoma.

5. The voice generation system of any previous claim, wherein the housing is configured to attach to the neck or around the neck of a user such that the first opening is in communication with the neck stoma.

6. The voice generation system of claim 3 or 4, wherein the airflow source is an air pump.

7. The voice generation system of claim 1, further comprising:

a pressure sensing module configured to attach to the neck of the user and to sense an air pressure at a neck stoma of the user;

an air pump located within the housing and configured to generate an airflow that moves along the air passage from the first opening to the second opening; and

a controller configured to control the air pump based on the sensed air pressure at the neck stoma

wherein the air pump is configured to generate an air pressure in the air passage corresponding to the sensed air pressure at the neck stoma; and

wherein in the air pump is in communication with and drives the moveable member vibration.

8. The voice generation system of claim 7, wherein the speaker module is located within the housing, and wherein the speaker module is configured to output the sound through the second opening.

9. A voice generation system comprising:

a first pressure sensing module configured to attach to the neck of the user and to sense an air pressure at a neck stoma of the user;

a second pressure sensing module configured to sense an air pressure at or close to the oral cavity of the user;

a housing comprising a first opening and a second opening, the housing defining an air passage between the first opening and the second opening.

an air pump located within the housing and configured to generate an airflow that moves along the air passage from the first opening to the second opening; and

a controller configured to control the air pump based on the sensed air pressure at the neck stoma or the oral cavity or a combination of the two,

a moveable member located within the housing and configured to vibrate in response to air flowing in the air passage.

where in the air pump is in communication and drives a moveable member vibration

a transducer module configured to convert vibrations of the moveable member into an electrical signal; and

a speaker module configured to convert the electrical signal into sound and to output sound into the oral cavity of a user;

where the second opening is configured to be in communication with the oral cavity of the user.

10. A voice generation system comprising:

a housing comprising a first opening and a second opening, the housing defining an air passage between the first opening and the second opening, wherein the first opening is configured to be in communication with a neck stoma of the user;

a moveable member located within the housing and configured to vibrate in response to air flowing in the air passage;

a regulator located within the housing and configured to control a flow of air in the air passage;

a transducer module configured to convert vibrations of the moveable member into an electrical signal;

a speaker module configured to convert the electrical signal generated by the transducer module into sound and to output sound into the oral cavity of a user;

an air pump configured to generate an airflow into the oral cavity of the user;

a pressure sensing module configured to sense an air pressure in the oral cavity of the user; and

a controller configured to control the regulator based on the sensed air pressure in the oral cavity.

11. The voice generation system of claim 10, wherein the regulator is a further air pump that is configured to generate an air pressure in the air passage corresponding to the sensed air pressure in the oral cavity.

12. The voice generation system of claim 9 or 11, wherein the air pump and the moveable member are located within a second housing which is configured to be secured to an auricle

of the user, wherein the second housing comprises an opening configured to be in communication with the oral cavity of the user.

13. The voice generation system of claim 12, further comprising a tube having a first end connected to the opening of the second housing, wherein a second end of the tube is configured to be inserted into the oral cavity of the user, and wherein the pressure sensing module is fixed to the second end of the tube.

14. The voice generation system of any one of claims 9 to 13, wherein the air pump, the speaker module, and the pressure sensing module are fixed to a denture unit configured to be secured to the oral cavity of the user.

15. The voice generation system of any previous claim, further comprising a processing system, wherein the processing system is configured to reduce sound interference received at the transducer module.

16. The voice generation system of claim 16, wherein the processing system is configured to reduce sound interference based on at least one electrical signal received from:

- the transducer module configured to convert vibrations of the moveable member, and/or
- at least one interference transducer module for receiving sound interference

17. The voice generation system of claim 16 or 17, wherein the sound interference at the transducer module comprises sound outputted by the speaker module, and/or speech that is generated when sound outputted by the speaker module is modulated by movement of the user's mouth.

18. The voice generation system of any previous claim, wherein the voice generation system is configured to be used hands free.

19. A method of generating a voice, comprising:

providing a moveable member in communication with an airflow corresponding to a respiratory airflow of a user, the moveable member provided in an air channel being

subjected to a first air pressure at a first end of the air channel and a second air pressure at a second end of the air channel;

detecting vibrations of the moveable member in response to the airflow;

generating, using one or more electrical speakers, a sound derived from the detected vibrations; and

supplying an airflow and the sound into the oral cavity of the user,

wherein the second air pressure corresponds to an air pressure in the oral cavity of the user.

20. The method of claim 19, further comprising:

converting, using a transducer, the vibrations of the moveable member into an electrical signal;

processing the electrical signal; and

supplying the processed electrical signal to the one or more electrical speakers for generating the sound.