Claims

1. A speaker apparatus suitable for use with a computer operable for communicating audio signals to the speaker apparatus, the speaker apparatus comprising:

a housing having a top portion and a body portion, the top portion being adjacent to the body portion, the housing configurable for carrying:

a coupling module for coupling the speaker apparatus and the computer; and

a speaker driver array comprising a first speaker driver and a second speaker driver, the first and second speaker drivers being arranged in a stacked arrangement such that the first speaker driver is positionable atop the second speaker driver and such that the first and second speaker drivers face different directions,

wherein the speaker apparatus is positionable behind the computer in a manner such that the body portion of the housing is substantially hidden by the computer and the top portion of the housing is substantially elevated over the computer,

wherein the speaker driver array is accommodatable at the top portion of the housing, and wherein in the stacked arrangement, the first speaker driver and the second speaker driver are angularly displaced in a manner such that they face different directions, and

wherein the first speaker driver is associable with a first firing direction substantially incident thereto and the second speaker driver is associable with a second firing direction substantially incident thereto, the first firing direction and the second firing direction being associable with an intersection angle corresponding to extent of angular displacement.

2. The speaker apparatus as in claim 1,

wherein the housing is further configurable for carrying a processing module which is coupled to the coupling module and the speaker driver array, and

wherein audio signals from the computer are communicable to the processing module for processing to produce output signals, the output signals being communicable to the speaker driver array for output.

3. The speaker apparatus as in claim 2, wherein the output signals comprise a first set of output signals and a second set of output signals, the first and second set of output signals being output by the first speaker driver and the second speaker driver respectively.

4. The speaker apparatus as in claim 3,

wherein in the stacked arrangement, the first speaker driver and the second speaker driver are angularly displaced in a manner such that they face different directions,

wherein the first speaker driver is associable with a first firing direction substantially incident thereto and the second speaker driver is associable with a second firing direction substantially incident thereto, and

wherein the first and second firing directions are indicative of general direction of emission, from the first and second speaker drivers respectively, of the first set of output signals and the second set of output signals respectively.

5. The speaker apparatus as in claim 4, emission of the first and second set of output signals from the first and second speaker drivers respectively being substantially unimpeded by the computer.

6. The speaker apparatus as in claim 2,

wherein the processing module is configurable for processing the audio signals in a manner so as to amplify them, and

wherein the output signals correspond to amplified audio signals.

7. The speaker apparatus as in claim 2,

wherein the housing is further configurable for carrying a sound detection array which is coupled to the processing module, the sound detection array being configurable for detecting audio inputs within a region adjacent thereto.

8. The speaker apparatus as in claim 7,

wherein the processing module is configurable for processing detected audio inputs to produce intermediate signals communicable to at least one of the coupling module and the speaker driver array, and

wherein the processing module is configurable for processing detected audio inputs using at least one of Acoustic Echo Cancellation techniques and noise filtering techniques to produce the intermediate signals.

9. The speaker apparatus as in claim 2,

wherein the housing is further configurable for carrying a peripheral portion which is coupled to the processing module, the peripheral portion being configurable for receiving a peripheral device capable of facilitating signal communication between an auxiliary device and the speaker apparatus.

10. The speaker apparatus as in claim 1,

wherein the body portion is variably adjustable in a manner so as to one of variably extend and shorten the body portion such that extent of elevation of the top portion over the computer is variable.

11. The speaker apparatus as in claim 1 further comprising:

a base portion to which the housing is detachably coupled,

wherein the housing is rotatable on the base portion.

12. The speaker apparatus as in claim 1,

wherein the top portion comprises a first rotatable section and a second rotatable section,

wherein the first speaker driver is accommodatable in the first rotatable section and the second speaker driver is accommodatable in the second rotatable section, and

wherein the first and second speaker drivers are capable of being swiveled relative to each other.

13. A speaker apparatus suitable for use with a computer having a screen and which is operable for communicating audio signals to the speaker apparatus, the speaker apparatus comprising:

a housing having a top portion and a body portion, the top portion being adjacent to the body portion, the housing configurable to carry:

a coupling module for coupling the speaker apparatus and the computer in a manner such that audio signals are communicable from the computer to the speaker apparatus for processing;

a processing module coupled to the coupling module in a manner so as to receive the audio signals, audio signals being processable by the processing module in a manner so as to produce output signals; and

a speaker driver array coupled to the processing module in a manner so as to receive the output signals, the output signals capable of being output by the speaker driver array, the speaker driver array comprising a first speaker driver and a second speaker driver, the first and second speaker drivers being arranged in a stacked arrangement such that the first speaker driver is positionable atop the second speaker driver and such that the first and second speaker drivers face different directions, the speaker driver array being accommodatable at the top portion of the housing,

wherein the speaker apparatus is positionable behind the computer in a manner such that the body portion of the housing is substantially hidden by the screen of the computer and the top portion of the housing is substantially elevated over the screen of the computer.

Claims

1. A speaker apparatus suitable for use with a computer operable for communicating audio signals to the speaker apparatus, the speaker apparatus comprising:

a housing having a top portion and a body portion, the top portion being adjacent to the body portion, the housing configurable for carrying:

a coupling module for coupling the speaker apparatus and the computer; and

a speaker driver array comprising a first speaker driver and a second speaker driver, the first and second speaker drivers being arranged in a stacked arrangement such that the first speaker driver is positionable atop the second speaker driver and such that the first and second speaker drivers face different directions.

2. The speaker apparatus as in claim 1 being positionable behind the computer in a manner such that the body portion of the housing is substantially hidden by the computer and the top portion of the housing is substantially elevated over the computer,

wherein the speaker driver array is accommodatable at the top portion of the housing.

3. The speaker apparatus as in claim 2,

wherein in the stacked arrangement, the first speaker driver and the second speaker driver are angularly displaced in a manner such that they face different directions, and

wherein the first speaker driver is associable with a first firing direction substantially incident thereto and the second speaker driver is associable with a second firing direction substantially incident thereto, the first firing direction and the second firing direction being associable with an intersection angle corresponding to extent of angular displacement.

4. The speaker apparatus as in claim 2,

wherein the housing is further configurable for carrying a processing module which is coupled to the coupling module and the speaker driver array, and

wherein audio signals from the computer are communicable to the processing module for processing to produce output signals, the output signals being communicable to the speaker driver array for output.

5. The speaker apparatus as in claim 4, wherein the output signals comprise a first set of output signals and a second set of output signals, the first and second set of output signals being output by the first speaker driver and the second speaker driver respectively.

6. The speaker apparatus as in claim 5,

wherein in the stacked arrangement, the first speaker driver and the second speaker driver are angularly displaced in a manner such that they face different directions,

wherein the first speaker driver is associable with a first firing direction substantially incident thereto and the second speaker driver is associable with a second firing direction substantially incident thereto, and

wherein the first and second firing directions are indicative of general direction of emission, from the first and second speaker drivers respectively, of the first set of output signals and the second set of output signals respectively.

7. The speaker apparatus as in claim 6, emission of the first and second set of output signals from the first and second speaker drivers respectively being substantially unimpeded by the computer.

8. The speaker apparatus as in claim 4,

wherein the processing module is configurable for processing the audio signals in a manner so as to amplify them, and

wherein the output signals correspond to amplified audio signals.

9. The speaker apparatus as in claim 4,

wherein the housing is further configurable for carrying a sound detection array which is coupled to the processing module, the sound detection array being configurable for detecting audio inputs within a region adjacent thereto.

10. The speaker apparatus as in claim 9,

wherein the processing module is configurable for processing detected audio inputs to produce intermediate signals communicable to at least one of the coupling module and the speaker driver array, and

wherein the processing module is configurable for processing detected audio inputs using at least one of Acoustic Echo Cancellation techniques and noise filtering techniques to produce the intermediate signals.

11. The speaker apparatus as in claim 4,

wherein the housing is further configurable for carrying a peripheral portion which is coupled to the processing module, the peripheral portion being configurable for receiving a peripheral device capable of facilitating signal communication between an auxiliary device and the speaker apparatus.

12. The speaker apparatus as in claim 2,

wherein the body portion is variably adjustable in a manner so as to one of variably extend and shorten the body portion such that extent of elevation of the top portion over the computer is variable.

13. The speaker apparatus as in claim 1 further comprising:

a base portion to which the housing is detachably coupled,

wherein the housing is rotatable on the base portion.

14. The speaker apparatus as in claim 1,

wherein the top portion comprises a first rotatable section and a second rotatable section,

wherein the first speaker driver is accommodatable in the first rotatable section and the second speaker driver is accommodatable in the second rotatable section, and

wherein the first and second speaker drivers are capable of being swiveled relative to each other.

15. A speaker apparatus suitable for use with a computer having a screen and which is operable for communicating audio signals to the speaker apparatus, the speaker apparatus comprising:

a housing having a top portion and a body portion, the top portion being adjacent to the body portion, the housing configurable to carry:

a coupling module for coupling the speaker apparatus and the computer in a manner such that audio signals are communicable from the computer to the speaker apparatus for processing;

a processing module coupled to the coupling module in a manner so as to receive the audio signals, audio signals being processable by the processing module in a manner so as to produce output signals; and

a speaker driver array coupled to the processing module in a manner so as to receive the output signals, the output signals capable of being output by the speaker driver array, the speaker driver array comprising a first speaker driver and a second speaker driver, the first and second speaker drivers being arranged in a stacked arrangement such that the first speaker driver is positionable atop the second speaker driver and such that the first and second speaker drivers face different directions, the speaker driver array being accommodatable at the top portion of the housing,

wherein the speaker apparatus is positionable behind the computer in a manner such that the body portion of the housing is substantially hidden by the screen of the computer and the top portion of the housing is substantially elevated over the screen of the computer.