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10. The system of claim 1, wherein the impact vibrations have frequencies in an audible range.

11. The system of claim 1, further comprising: a transmitter for transmitting information about the impact to a remote location.

12. The system of claim 1, wherein the electronic logic circuitry determines the location of the impact based on a peak voltage received from the plurality of sensors.

13. The system of claim 1, wherein at least one of the plurality of sensors constitutes a piezo-film sensing element.

14. A wearable ballistic impact detection system for detecting impacts to a body of an individual comprising:

sensor means, adapted to be supported on the body, for detecting impact vibrations which are converted into electrical signals; and

logic means for receiving the electrical signals and determining both an occurrence of a ballistic impact to the body at a location spaced from the plurality of sensors and the location of the impact, wherein the logic means comprises:

at least one filter electrically connected to said plurality of sensors for receiving the electrical signals and transmitting a filtered electrical signal of interest; and

a group of electronic components for determining if the signal of interest has frequency and amplitude characteristics of an impact that causes injury to the body.

15. A method of detecting ballistic impacts to a body of an individual comprising:

detecting vibrations caused by a ballistic impact through a plurality of spaced sensors supported by the body;

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converting the vibrations into electrical signals; and analyzing the electrical signals to determine both an occurrence of a ballistic impact to the body at a location spaced from the plurality of sensors and the location of the impact, wherein analyzing the electrical signals includes:

filtering the electrical signals with at least one filter so as to pass only filtered electrical signals within a frequency range of interest;

obtaining a peak voltage value in the desired frequency range of interest; and

determining the occurrence and location of the impact by comparing the peak voltage value to a reference voltage value.

16. The method of claim 15, wherein analyzing the electrical signals further includes:

rectifying the filtered electrical signals to produce rectified signals;

compressing the rectified signals to produce compressed signals within the frequency range of interest;

processing the compressed signals to obtain the peak voltage value.

17. The method of claim 15, further comprising: transmitting information about the impact to a remote location.

18. The method of claim 15, further comprising: supporting the plurality of sensors at spaced locations on body armor worn by the individual.

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