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(54) Title: ACOUSTIC DETECTION OF GLASS BREAKAGE EVENTS

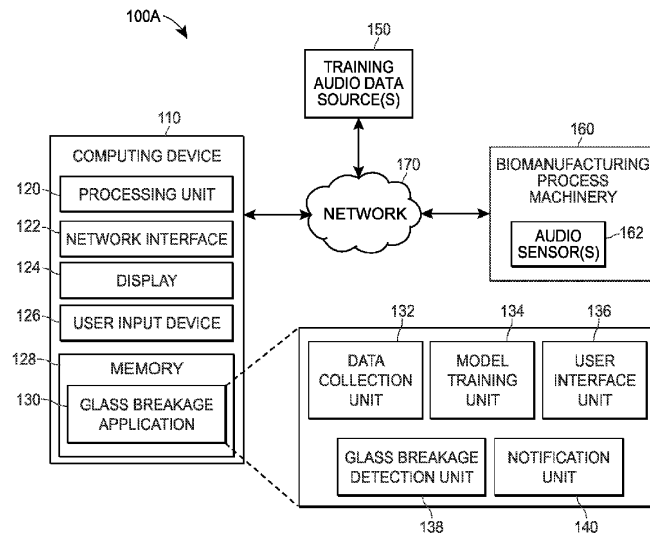


FIG. 1A

(57) Abstract: Systems and methods of using machine learning for identifying glass breakage events can include (a) accessing or obtaining the machine learning mode, (b) obtaining audio data, (c) determining, by processing the audio data using the machine learning mode, whether a glass breakage event has occurred, and (d) when determined that the glass breakage event has occurred, indicating the glass breakage event has occurred. Methods and instructions for training a machine learning model for identifying a glass breakage event can include (a) obtaining training audio data, (b) classifying the training audio data into a plurality of subsets, and (c) generating the machine learning model for identifying glass breakage events using the classified subsets.

[Continued on next page]

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