CLAIMS

1. A computer-implemented method for storing and managing audio data, the method comprising:

receiving a request to store audio data;

associating the audio data with a spectrogram generated based on the audio data;

storing the audio data and the spectrogram on a blockchain; and

providing access to the audio data based on the spectrogram, comprising:

receiving data representing an image;

determining whether the image matches the spectrogram;

in response to a determination that the image matches the spectrogram, identifying the audio data associated with the spectrogram; and

providing audio playback of the audio data identified as being associated with the spectrogram.

2. The method of claim 1, further comprising:

generating the spectrogram upon receiving the request to store the audio data.

3. The method of any preceding claim, further comprising:

receiving the spectrogram with the audio data.

4. The method of claim 1, wherein the image represents at least a portion of an object produced with the spectrogram incorporated therein.

5. The method of any preceding claim, wherein the providing access to the audio data further comprises:

receiving data obtained from a machine-readable code to identify the spectrogram.

6. The method of claim 5, wherein the machine-readable code comprises a two-dimensional barcode contained in an object produced with the spectrogram incorporated therein.

7. The method of any preceding claim, wherein the providing access to the audio data further comprises:

providing audio streaming of the audio data.

8. A device for storing and managing audio data, comprising:

one or more processors; and

one or more computer-readable memories coupled to the one or more processors and having instructions stored thereon that are executable by the one or more processors to perform the method of any of claims 1 to 7.

9. An apparatus for storing and managing audio data, the apparatus comprising a plurality of modules for performing the method of any of claims 1 to 7.

10 A non-transitory computer-readable medium having stored therein instructions that, when executed by a processor of a device, cause the device to perform the method of any of claims 1 to 7.