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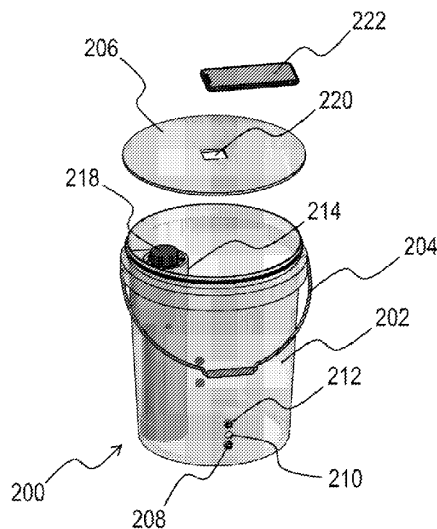


Figure 2A

(57) Abstract: There is provided a smart aquaculture growth and health monitoring system and method for monitoring the growth and health of an aquatic species present in an aquaculture growth habitat. The system comprises a georeferenced location beacon of the growth habitat, a sample container to sample water and aquatic species from the growth habitat and being configured to permit an electronic device having camera such as a smart phone to acquire digital visual data on said sample, a processor is communicatively linkable to the electronic device and optionally to a communications network, the processor being operable to receive the digital visual data; determine, based on the digital visual data, growth and/or health parameters of the aquatic species in the sample; and to retransmit data on the growth and/or health parameters of the aquatic species back to the electronic device.

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