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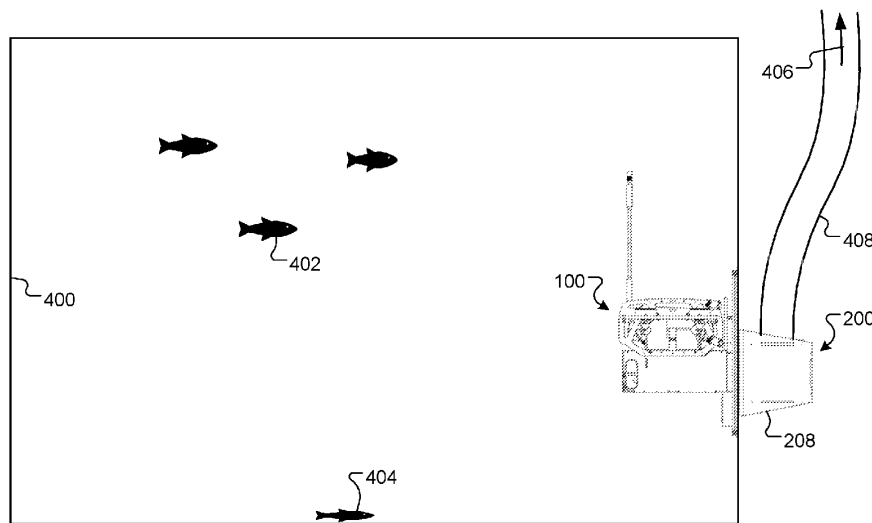


FIG. 4

(57) Abstract: Provided is a system for automatically removing mortalities (404), such as deceased fish or other animals, from an aquaculture cage (400). An underwater robotic vehicle (100) can traverse an aquaculture cage (400) to collect the mortalities (404). The collected mortalities (404) can be delivered by the vehicle (100) to a dock (200), where the mortalities (404) can be offloaded from the vehicle (100) and stored in the dock (200). The mortalities (404) can be pumped to a surface vessel where the mortalities (404) can be dewatered, photographed, and/or weighed, before being stored for further processing.

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