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(54) Title: LIVE FISH PROCESSING SYSTEM, AND ASSOCIATES METHOD

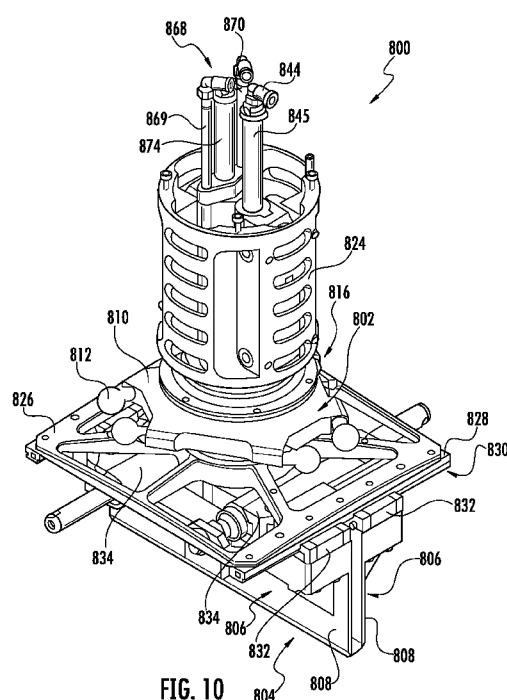


FIG. 10

(57) Abstract: A fish handling unit (500) for processing live fish (1) is provided. Such fish handling unit (500) includes an inspection system (600) configured to inspect a plurality of live fish (1). A conveyor assembly (550) transports the live fish (1) to the inspection system (600). At least one robotic cell (510) is in communication with the inspection system (600). The robotic cell (510) has a controller configured to control operation thereof. An end effector (800) is operably engaged with the robotic cell (510). The end effector (800) interacts with the live fish (1) moving along the conveyor assembly (550), based on information determined by the inspection system (600) and received by the controller. The end effector (800) may optionally be an integrated gripper and injection assembly (850) capable of orientation and injection of the live fish (1). Associated devices and methods are also provided.

Declarations under Rule 4.17:

- *as to the identity of the inventor (Rule 4.17(i))*
- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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