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(54) Title: SYSTEM AND METHOD FOR MONITORING WATER QUALITY

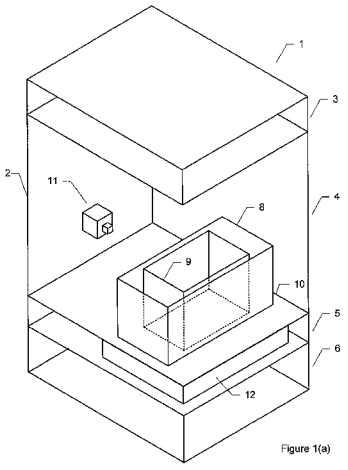


Figure 1(a)

(57) Abstract: A system and system for monitoring water quality. The system comprises a container for receiving a flow of water to be monitored, the container containing a plurality of fish and configured such that a substantially 3-dimensional group behaviour of the fish is accommodated; a first imaging device disposed above the container for obtaining top view video data of the fish; and means for identifying individual fish based on foreground object detection.