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(54) Title: DEVICE FOR MONITORING WATER QUALITY

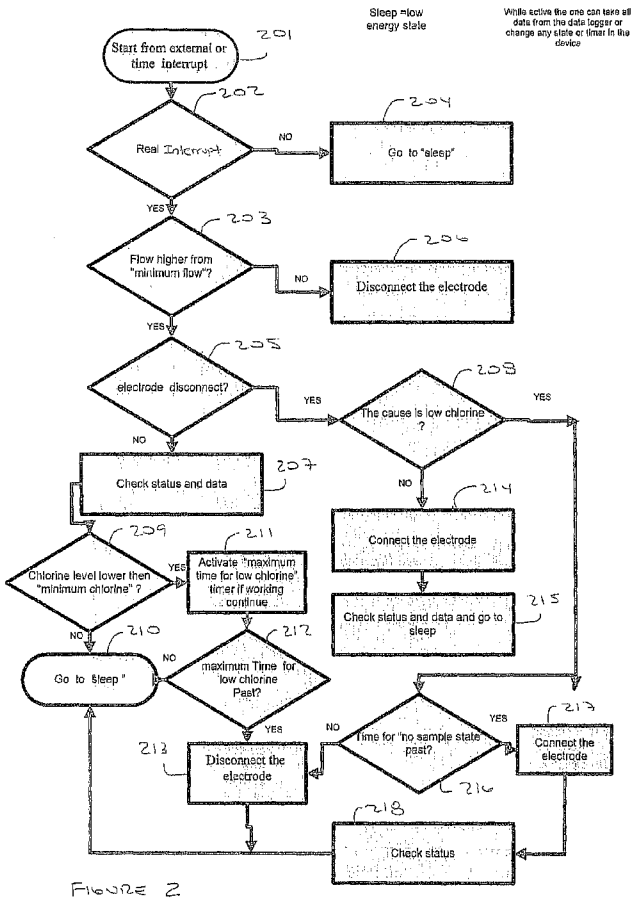


FIGURE 2

(57) Abstract: A device for monitoring chlorine in water, the device comprising a chlorine senso adapted to measure a chlorine concentration in water; and a controller adapted to facilitat conversion between an active mode during which water analysis may be performed, and a lo energy sleep mode in which the chlorine sensor is still energized but water analysis may not b performed. In sleep mode, a polarization voltage is maintained on an electrode comprised in chlorine sensor, which allows for a substantial reduction in a stabilization time required by th electrode following connection to an energy source after having been disconnected. Conversio between the active mode and the sleep mode may be according to predetermined parameter such as, for example, a predetermined time period, upon receipt of an indication from a independent timer, or by remote initiation from an external source.

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