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[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR DETECTION AND SIGNALING OF COMPONENT END-OF-LIFE IN A DISSOLVED OXYGEN SENSOR

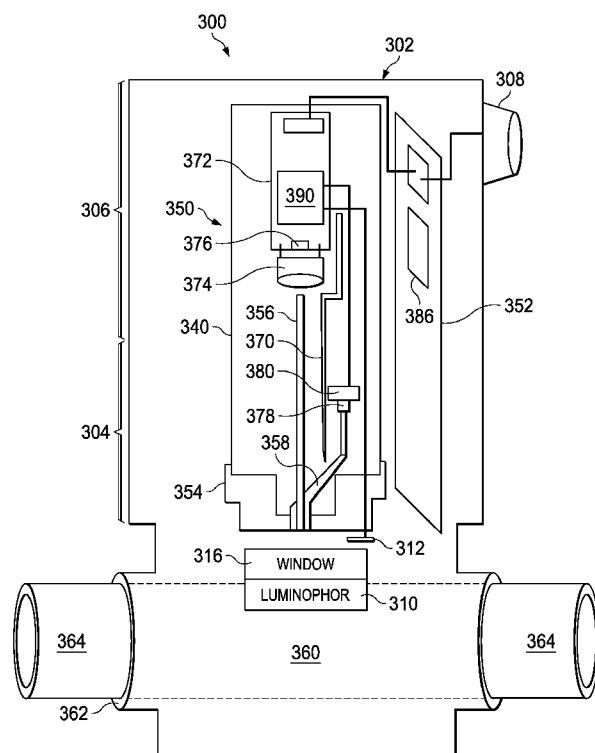


FIG. 3

(57) Abstract: Embodiments as disclosed herein may include a sensor including a luminophor exposed to a fluid flow path. The luminophor may emit light in response to illumination by an excitation light source. The magnitude of light emitted by the luminophor in response to illumination may be determined. It can be determined if this magnitude is within a threshold of the baseline magnitude and an alarm state set based on this determination. This alarm state may indicate that the luminophor has reached an end-of-life state or otherwise should be replaced.



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