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[Continued on next page]

(54) Title: SUSPENDED MEDIA MEMBRANE BIOLOGICAL REACTOR SYSTEM AND PROCESS INCLUDING MULTIPLE BIOLOGICAL REACTOR ZONES

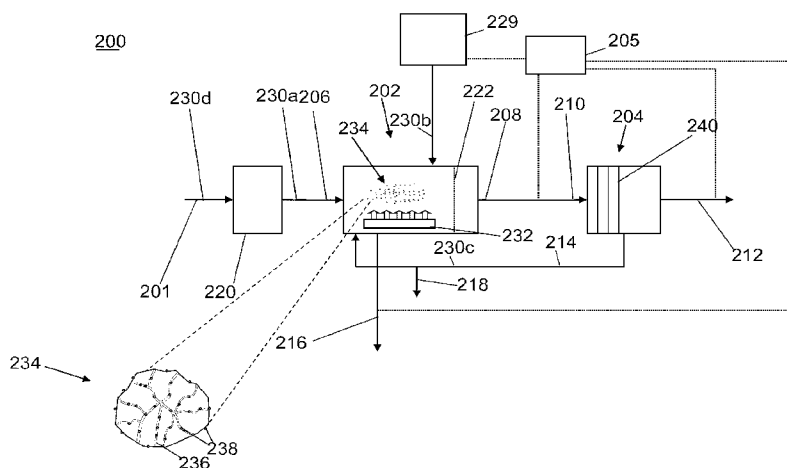


FIG. 2

(57) Abstract: A wastewater treatment system is provided comprising a first biological reaction zone, a second biological reaction zone and a membrane operating system. The first biological reaction zone is constructed and arranged to receive and treat the wastewater. The second biological reaction zone includes a separation subsystem and is constructed and arranged to receive effluent from the first biological reaction zone. A suspension system for adsorbent material is provided in the second biological reaction zone. The membrane operating system is located downstream of the second biological reaction zone and is constructed and arranged to receive treated wastewater from the second biological reaction zone and discharge a membrane permeate.



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