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(54) Title: METHOD AND SYSTEM FOR DISTRIBUTING LIQUID IN (METH)ACRYLIC MONOMER PROCESS VESSELS

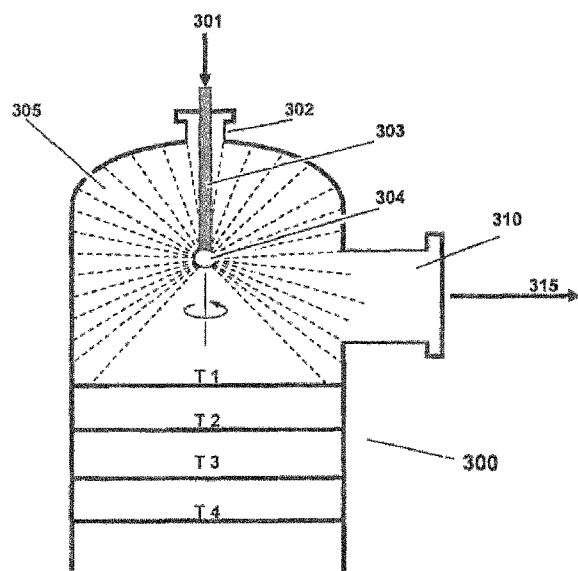


FIGURE 3

(57) Abstract: A method for uniformly distributing a process liquid within a process vessel includes providing a process liquid to a fouling-resistant liquid distributor installed within a process vessel having a cross-sectional area; causing rotational movement of the fouling-resistant liquid distributor; uniformly distributing the process liquid over the cross-sectional area within the process vessel; and simultaneously self-rinsing the fouling-resistant liquid distributor with a portion of the process liquid during uniform distribution. A system is also disclosed which includes a supply of process fluid, a stationary conduit and a liquid distribution head attached to the conduit. The liquid distribution head is motive, powered by a fluid, and includes at least one process liquid delivery port. The at least one process liquid delivery port is configured to provide a +10° or greater angle of liquid coverage when the liquid distribution head is moving.

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