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(54) Title: NOZZLE FOR FLUID DEPLOYMENT IN BIOREACTORS

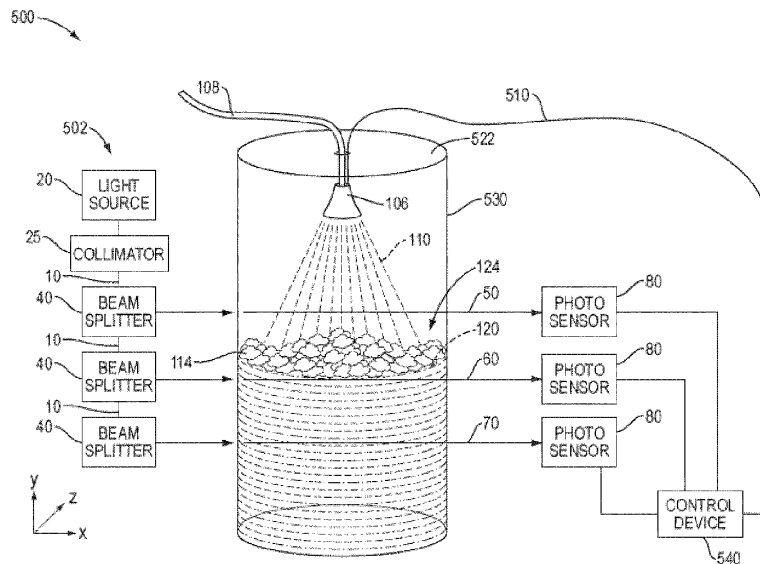


FIG. 5

(57) Abstract: A nozzle system for fluid deployment for treating a biological fluid within a bioreactor, having a bioreactor having an internal volume; an adjustable nozzle deployed within the internal volume; a reservoir capable of containing an agent; and a tubing connecting the reservoir and the adjustable nozzle, wherein the adjustable nozzle is capable of being adjusted to distribute a processing agent in a plurality of distribution streams.

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