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(54) **Title**: BIOLOGICS INFUSION SYSTEM

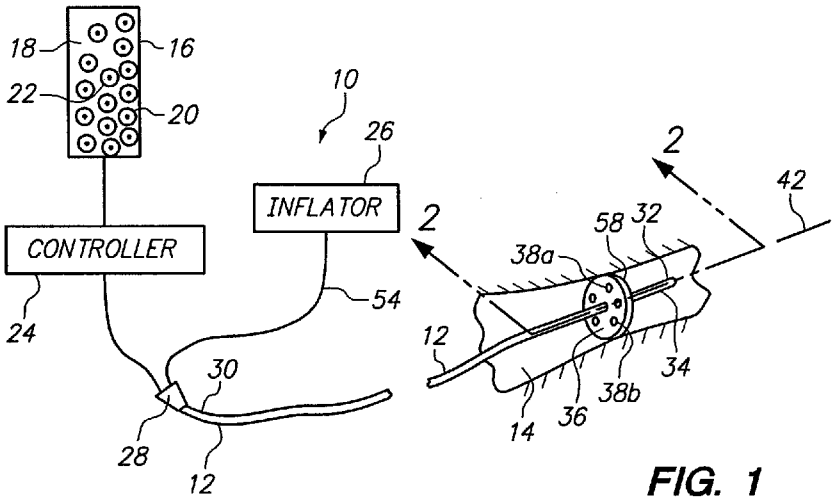


FIG. 1

(57) **Abstract**: A system for moving particles suspended in a first fluid, and for infusing them into the stream of a second fluid, includes a catheter with a multi-lumen distal tip. The tip is formed with a plurality of parallel lumens, wherein each lumen has a predetermined diameter. Importantly, the diameter of each lumen is dimensioned to sequentially receive particles therethrough, to prevent the particles from flocculating before they enter the stream of the second fluid. A valve, affixed to the outside of the catheter, can be provided to regulate flow of the second fluid and thereby facilitate entry of the particles into the stream of the second fluid.

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