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(54) **Title:** HIGH PRESSURE FLUID SPRAY NOZZLE INCORPORATING A FLOW CONTROLLED SWITCHING VALVE

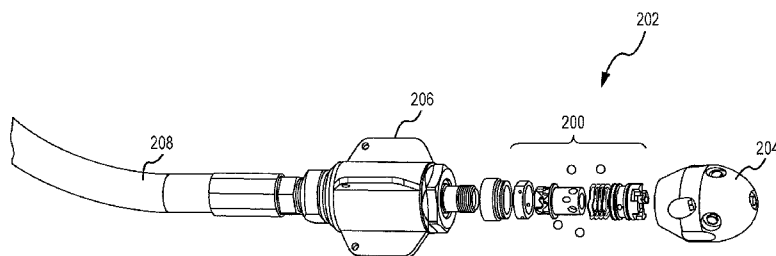


FIG. 7

(57) **Abstract:** A flow path switching valve is disclosed that can be operated remotely simply by turning flow on and off. The switching valve may be incorporated into the body of a high pressure nozzle. In one embodiment a mid portion of the valve body has at least one passage therein leading from a central axial bore to first and second external ports. A poppet member received in the central axial bore directs fluid flow in a first position to the first external ports. The poppet member, when in a second position, closes the central axial bore through the outlet end of the valve body and permits fluid flow through the second set of external ports. Selection of the different flow paths is made by simply reducing flow through the valve below a predetermined fluid flow threshold and then increasing the flow rate above the threshold.

