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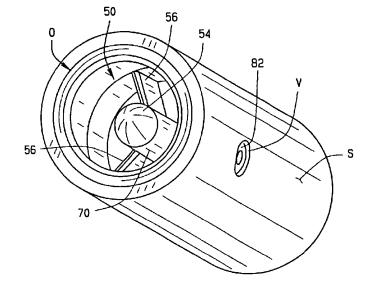
(56) Documents Cited by ISA:

US 3556410 A US 4848672 A US 3486700 A US 0597842 A

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Abstract Title: Stream straightener for fluid dispensing nozzle

(57) A choke (10) for reducing spray of fuel exiting a fuel dispensing system nozzle spout (S) having an annular frame (12) positioned within the spout (S) adjacent the output opening (O). The choke (10) has a concentric hub (14) connected to the frame (12) by three, relatively narrow struts (16, 18, 20) positioned equidistant around the hub (14). The hub (14) has a solid, cylindrical fore section (22) and a tubular aft section (24). A duct (26) extends from the tubular aft section (24), through one strut (20) and the frame (12), to the venturi opening (V). Fuel flowing through the spout (S) toward the output opening (O), it is slowed and divided into three streams by the choke (10), flows along the hub (14) fore section (22) and converges, compressed and linearly aligned, at the output opening (O) of the spout (S) to reduce spraying of fuel at the output opening (O) of the spout (S).



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