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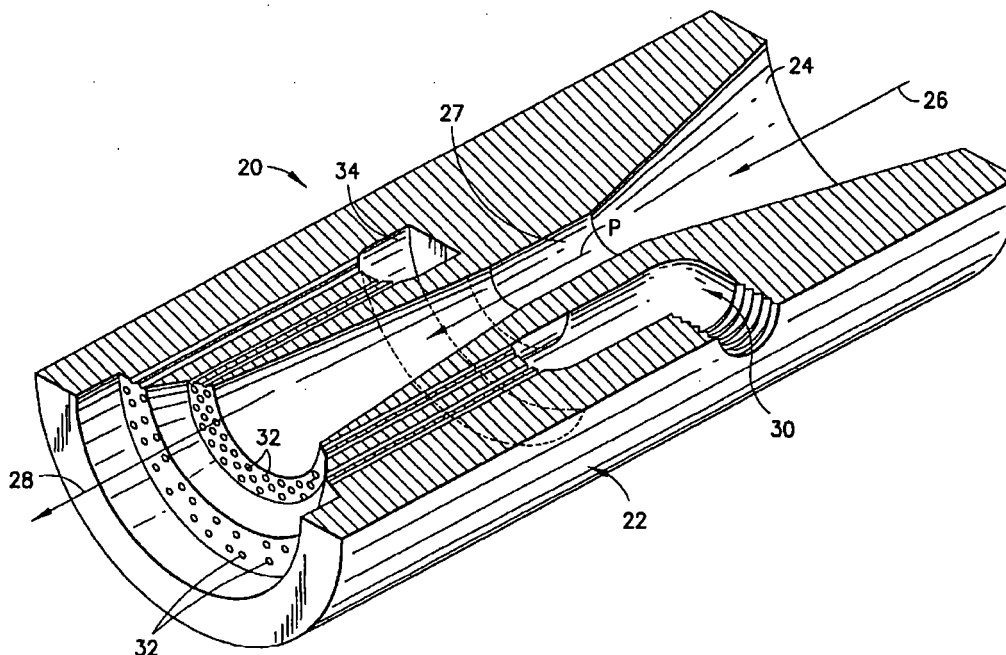
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(54) Title: DIFFERENTIAL INJECTOR



(57) Abstract: A differential injector (20) for fluid mixing having a primary fluid inlet (26), a throat section (27) and a diverging discharge outlet (28). A secondary fluid is pulled into the discharge outlet, through annular recessed grooves, by suction action produced by the primary fluid of the venturi. A plurality of channels (32) feed the secondary fluid into the recessed annular grooves. The channels may be connected to a secondary fluid injection port (30) via an injection annulus (34).

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