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(54) Title: DIFFERENTIAL INJECTOR ✓ (57) Abstract A venturi driven differential injector (20) for fluid mixing having a constricting primary fluid inlet (26), a throat section (27) and a diverging discharge outlet (28). A secondary fluid is pulled into the forward portion of the discharge outlet (28), through at least two 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 venturi ports are connected to a secondary fluid injection port (30) via an injection annulus.		