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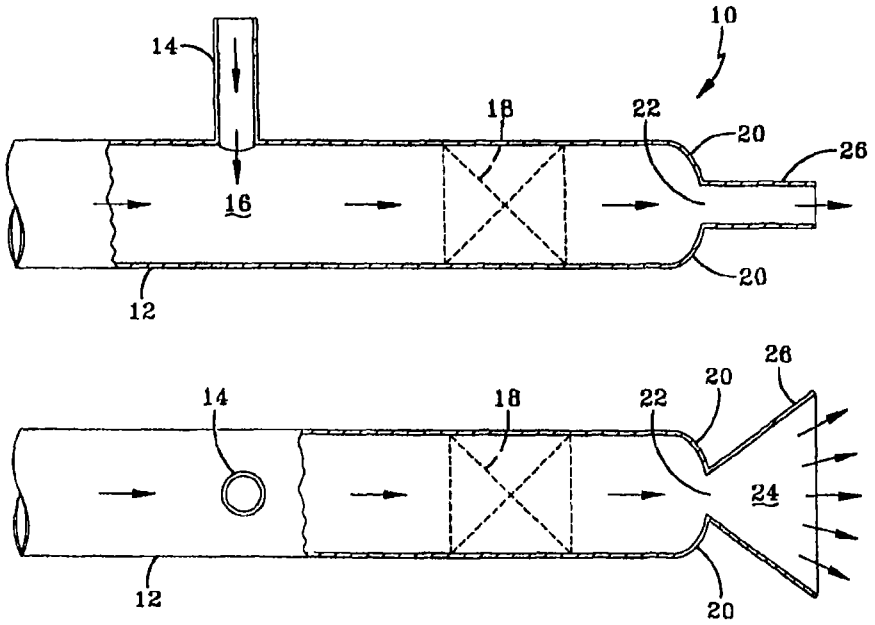
(54) Title: CAVITATION ENHANCED LIQUID ATOMIZATION



(57) Abstract

An FCC unit (10) comprises a hollow, liquid feed conduit (12), through which a hot, liquid FCC oilfeed is passed from an upstream source. At the same time, a cavitation liquid comprising lower boiling hydrocarbon liquid is passed down into the conduit (12) via line (14), which intersects at the tee joint. The cavitation liquid is injected into the flowing hot oil, which it mixes, to form a liquid solution comprising both liquids, in the vicinity of zone (16).

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