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(54) Title: **REVOLUTION VORTEX TUBE GAS/LIQUIDS SEPARATOR**

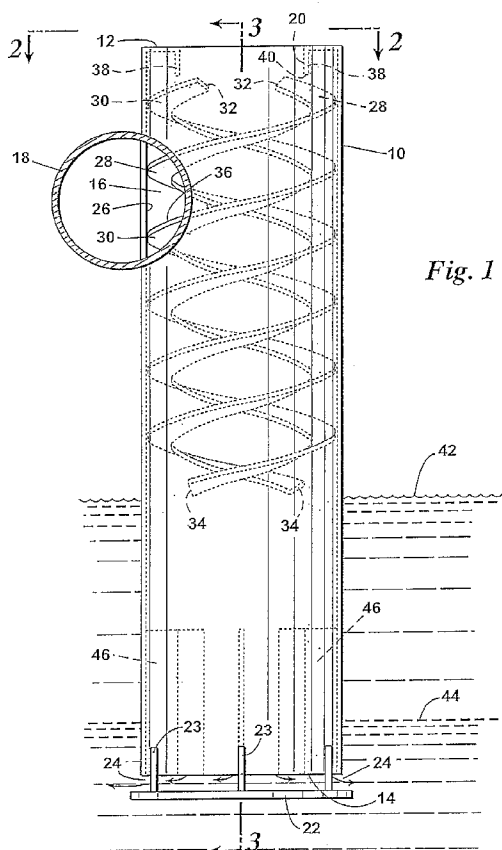


Fig. 1

(57) Abstract: A centrifugal separator for separating immiscible components of a wet gas stream is formed by an upright cylindrical vortex tube having an internal wall surface, a top with a gas outlet opening therein, a bottom providing a liquid outlet opening and a wet gas stream inlet tangential to the internal wall surface, the inlet being spaced below the top. A helical baffle is secured to the vortex tube internal wall surface and extends from below the top but above the inlet to a lower end spaced above the vortex tube bottom. A plurality of spaced apart vertical outlet fins are affixed to and extending radially from the internal wall surface adjacent the vortex tube bottom, each outlet fin having a top end spaced below the helical baffle lower end.



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