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(54) Title: HELICALLY BAFFLED HEAT EXCHANGER

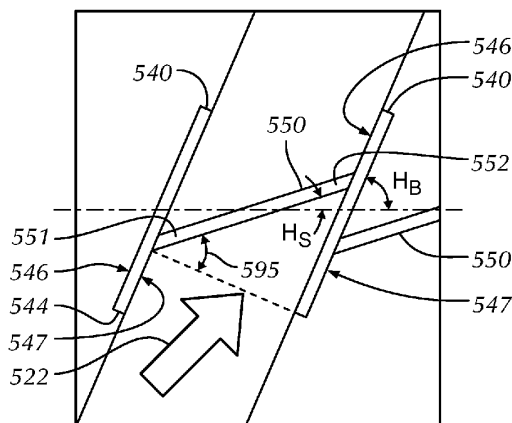


FIG. 5E

(57) Abstract: A heat exchanger including a shell having a longitudinal axis, a plurality of baffles, such as elliptical sector-shaped baffles, each mounted in the shell at a helix angle H_B to guide a fluid flow into a helical pattern through the shell. Each of the plurality of baffles includes an outer circumferential edge, a proximal radial edge, a distal radial edge, a proximal side, a distal side, and a plurality of spaced apart holes that are traversed by a plurality of axially extending tubes. Each of the first plurality of seal strips is disposed from a proximal of the plurality of baffles to a distal of the plurality of baffles.

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