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(54) Title: EVAPORATIVE HEAT EXCHANGER

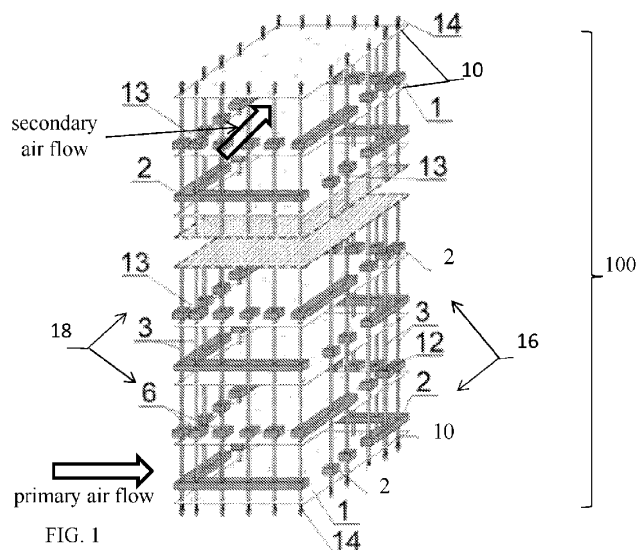


FIG. 1

(57) Abstract: An evaporative heat exchanger includes a plurality of parallel plates forming a plurality of channels for a primary air flow and a secondary air flow. The secondary air flow evaporates a liquid thereby cooling the primary air flow. The plurality of parallel plates are assembled efficiently on a plurality of rods that pass perpendicularly through the plurality of plates. The rods have fasteners on each end with at least one of the fasteners being adjustable to facilitate assembly and securing of the plates. At least one gasket is located in each of the plurality of channels to provide sealing along portions of the edges of the parallel plates and to maintain spacing between the parallel plates.

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